

AN ANNOTATED CHECKLIST OF THE IRISH BUTTERFLIES AND MOTHS (LEPIDOPTERA)

compiled by

K. G. M. Bond, R. Nash and J. P. O'Connor



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Cover illustration of the Death's-Head Hawk-Moth (*Acherontia atropos* Linnaeus)
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Preface

In 2005, The Irish Biogeographical Society launched a third series of publications on Irish biodiversity. Known as the *Macro Series*, these volumes will be produced in A4 format in limited editions. Printed in 13 or 14 point and stitch-bound, the new series is perfect for checklists and bibliographies because of its large format, legibility, durability and ease of notation. The series is complimentary to the *Occasional Publications* and the *Bulletin* which are in A5 format.

The new series was initiated with *First Supplement to A Bibliography of Irish Entomology*. It was published by the Society in association with The National Museum of Ireland. I am delighted therefore that the present volume is another example of this close co-operation. On behalf of The Irish Biogeographical Society, I wish to thank Dr Pat Wallace (Director), Mr Ragnall Ó Floinn (Head of Collections) and Mr Nigel Monaghan (Keeper of Natural History) for their interest in and encouragement of this work. The Society is indebted to the National Museum of Ireland and the National Parks and Wildlife Services of the Department for the Environment for providing sponsorship towards the cost of publication.

James P. O'Connor MRJA
Editor
The Irish Biogeographical Society

Editor's note 16 May 2024

This annotated checklist was updated in Bond, K. G. M. and O'Connor, J. P. (2012) Additions, deletions and corrections to *An annotated checklist of the Irish butterflies and moths (Lepidoptera)* with a concise checklist of Irish species and *Elachista biatomella* (Stainton, 1848) new to Ireland. *Bulletin of the Irish Biogeographical Society* **36**: 60-179. A PDF of this paper is attached at the end of this volume.

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INTRODUCTION

This is the second in a series of checklists of the Irish insect fauna, a project inspired by the manuscript list of Alexander Henry Haliday (1806-1870). The first checklist catalogued the beetles (Coleoptera) (Anderson, Nash and O'Connor, 1997). The present volume deals with the moths and butterflies (Lepidoptera). Its format differs in that popular names are included and footnotes are incorporated within the text. Of all the omissions in the Irish entomological literature, the absence of a formal list of all the Irish Lepidoptera is perhaps the most surprising. Lepidopterists have always outnumbered other entomologists on the island. Despite this advantage, most have published little if at all on their discoveries. As a result, little is known about their captures which are often housed in inaccessible private collections. In addition, there has been a tendency for Irish workers to pass their information on to British colleagues who were compiling lists or illustrated works. Some species new to Ireland have therefore been reported with little or no data and in journals easily overlooked by Irish entomologists. It is hoped that the appearance of this Checklist will encourage lepidopterists with unpublished information to make it available for other workers.

The systematic order and nomenclature of the present checklist mainly follows Bradley (2000). The latter incorporates changes in Continental European nomenclature introduced by Huemer and Tarmann (1993), Leraut (1997), Karsholt and Razowski (1996) and Prins (1998). Remarks have been made elsewhere regarding the taxonomic instability in the entomological literature (Nash and O'Connor, 2000). These changes have been especially common at generic level in the Palaearctic Macrolepidoptera, resulting in a major obstacle to researchers primarily concerned with faunistics and conservation. For this reason, common names (both in English and Irish) are given where possible. Some of the English ones depart from the usage in Bradley (2000) by retaining "THE" as employed by Baynes (1964). In addition, synonymies are included from Donovan (1936), Beirne (1941, 1942) and Baynes (1964) and from some other works when considered useful. In this context, many are partial synonymies which merely repeat the names and authorities used by those authors. It is planned to make available a more detailed list of synonymies on CD. Much of the Microlepidoptera section is based on Bond (1995).

The valid species names are given in bold and indented. Those species not included in Beirne (1941) and Baynes (1964) are indicated in the checklist by a + sign in the left-hand margin. The checklist covers species known to have been native or naturalised in Ireland and therefore includes several now thought to be extinct. Migrant species are also noted. Subspecies are given when known. These taxa have a greater importance in the Lepidoptera than in other orders. Most are based on colour and pattern differences which may have evolutionary significance. These can result in differential predation rates. The insects themselves also often react to these stimuli. However, there are strong indications that sometimes the

colour differences used in differentiating Irish subspecies are actually related to climate, especially humidity and the relatively mild frost-free conditions on the island, or to high levels of food-plant flavotoxins. The status of many subspecies is unknown in Ireland. In addition, due to the present lack of knowledge, it is impossible to ascertain whether some subspecies described/recorded from one part of the island might occur in other areas or whether the known populations uniquely represent the species here. Establishing the status of the various Irish subspecies will be a productive field for future research.

The checklist contains information on 1412 species. The layout specifies Suborder, Superfamily, Family, Subfamily, Genus, Species. A glossary of the technical terms used in the text is given on page 3.

Terms

Adventive - accidental introduction, often by commerce (see intercept).

Auctorum.; auctt.; sensu auctorum - in the sense of previous authors e.g. misidentification.

Breeding migrant - a migrant which reproduces a generation of offspring after arrival.

Colonist - an invasive alien species.

Endemic - occurring only in Britain or Ireland or both.

Form - a neutral term for a single individual, phenon (morph) or taxon (i.e. a group of variants or morphs conceptually associated by the variation alone and not forming a population); forms may prove to be ecotypes, foodplant forms, semispecies or climatic variants.

Holarctic - zoogeographic region comprising the Palaearctic region, North America and Greenland.

Intercept - intercepted e.g. by quarantine inspection.

Migrant - an individual or species on migration, i.e. on periodic or seasonal movement over relatively long distance and in Britain and Ireland from overseas.

Nearctic - zoogeographic region comprising North America and Greenland (and now North Mexico).

Nomen dubium - a name of unknown or doubtful application.

Nominate - ssp. nominotypical or nominate subspecies containing the type of the species and having the same name.

Non-British [Isles] - not occurring in Britain or Ireland.

Palaearctic - zoogeographic region comprising Europe, North Africa, Siberia, North China and Japan.

Protected species - protected by law from collecting and sale: separate legislation applies in Northern Ireland and the Irish Republic.

Sp.; spp.; species (singular); species (plural) - groups of actually (or potentially) interbreeding natural populations which are reproductively isolated from other such groups (amongst other definitions).

Ssp.; sub-species - a geographically defined aggregate of local populations which differs taxonomically from other such aggregates (sub-division of the species).

Synanthropic - living in association with man; frequently pests, feeding on or spoiling food products, woollen clothing or textiles.

Transitory resident - species which establishes as a resident, apparently dies out and then reestablishes; such species possibly expanding range (due to global warming for instance) will eventually become residents.

Vagrant - stray or wandering individual, casual migrant.

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The present work was made possible by contributions from many authorities and others who helped in various ways. They are given here in alphabetic order:- David Agassiz, Dave Allen, Hans Blackstein, Keith Bland, the late Dr J. D. Bradley, Dr Peter Crowther, the late Maitland Emmet, Dr Bert Gustaffson, the late Ted Hancock, the late Dr Henry Heal, Maurice Hughes, Ole Karsholt, Dr Robin Knill-Jones, the late Jorma Kyrki, Dr John R. Langmaid, Knud Larsen, Dr Wolfram Mey, Dr Eric van Nieukerken, Sue Parker, Adrian Riley, Dr Klaus Sattler, Ingvar Svensson, Dr E. Traugott-Olsen and Dr Stephen Whitebread.

ORDER LEPIDOPTERA

MICROPTERIGOIDEA

1. MICROPTERIGIDAE

MANDIBULATE ARCHAIC MOTHS

MICROPTERIX HÜBNER, 1825

+ *mansuetella* Zeller, 1844

Footnote: Bradley (1952). Irish occurrence omitted by Heath and Pelham-Clinton (1976).

aureatella (Scopoli, 1763)

aruncella (Scopoli, 1763)

calthella (Linnaeus, 1761)

Synonymy: *Heringocrania*

Kuznetsov, 1941.

Synonymy: in *Mnemonic* in

Beirne (1941).

Footnote: Bond (1984b). Beirne

(1941) quotes records of *E.*

unimaculella by Birchall (1866-67),

but adds "confirmation is

desirable".

sparrmannella (Bosc, 1791)

Synonymy: *sparmannella* in Beirne

(1941) (misspelling).

+ *salopiella* (Stainton, 1854)

Footnote: Bond (1984b).

+ *cicatricella* (Zetterstedt,

1839)

Synonymy: *haworthii* [haworthi]

Bradley, 1966; *purpurella*

(Haworth, 1828).

Homonym.

Footnote: Bond (1984b).

+ *sangii* (Wood, 1891)

Footnote: Bond (1984b).

+ *semipurpurella* (Stephens,
1835)

Footnote: Bond (1984b). Beirne

(1941) quotes records of *E.*

ERIOCRANIOIDEA

2. ERIOCRANIIDAE

SPARKLING ARCHAIC SUN MOTHS

ERIOCRANIA ZELLER, 1851

subpurpurella (Haworth, 1828)

Synonymy: in *Dyseriocrania* Spuler, 1910 in Bond (1995).

Synonymy: in *Mnemonic* in Beirne (1941).

+ *chrysolepidella* Zeller, 1851

Synonymy: *Heringocrania* Kuznetsov, 1941.

Footnote: Mere and Pelham-Clinton (1966).

+ *unimaculella* (Zetterstedt, 1839)

semipurpurella by Birchall (1866-67), but adds "confirmation is desirable".

HEPIALOIDEA

3. HEPIALIDAE

GHOST MOTHS

HEPIALUS FABRICIUS, 1775

humuli humuli (Linnaeus, 1758)

GHOST MOTH

Synonymy: *humuli* L. in Baynes (1964).

Footnote: *humuli* is the subspecies found throughout all of the British Isles except Shetland (sub-species *thulensis* Newman, 1865).

hecta (Linnaeus, 1758)

GOLD SWIFT

Synonymy: *Phymatopus* Wallengren, 1869.

lupulinus (Linnaeus, 1758)

COMMON SWIFT

Synonymy: *Korscheltellus* Börner, 1920.

fusconebulosa (DeGeer, 1778)

MAP-WINGED SWIFT

Synonymy: *Pharmacis* Hübner, 1820.

Synonymy: *Korscheltellus* Börner, 1920.

NEPTICULOIDEA

4. NEPTICULIDAE

PIGMY MOTHS

BOHEMANNIA STANTON, 1859

quadrinaculella (Boheman, 1851)

Synonymy: in *Scoliaula* in Beirne (1941).

+ *pulverosella* (Stainton, 1849)

Footnote: Emmet (1971); also recorded by Bradley: mines on *Malus*, Ballynalackan Castle garden, Co. Clare, June 1970 (Bond, 1995).

ECTOEDEMLIA BUSCK, 1907

+ *argyropeza* (Zeller, 1839)

Footnote: Bond and van Nieukerken (1987).

+ *intimella* (Zeller, 1848)

Footnote: Shackleton (1977) (det. Emmet).

+ *angulifasciella* (Stainton, 1849)

Footnote: Bond (1996).

+ *atricollis* (Stainton, 1857)

Footnote: Bond (1996).

+ *arcuatella* (Herrich-Schäffer, 1855)

Footnote: Heal (1985).

+ *rubivora* (Wocke, 1860)

Footnote: Mere and Pelham-Clinton (1966); Bradley and Pelham-Clinton (1967).

***occultella* (Linnaeus, 1767)**

Synonymy: *Nepticula argentipedella* Zeller *in* Beirne (1941).

+ *minimella* (Zetterstedt, 1839)

Synonymy: *woolhopiella* (Stainton, 1887).

Synonymy: *mediofasciella* sensu auctorum.

Footnote: Emmet (1973).

+ *albifasciella* (Heinemann, 1871)

Footnote: Emmet (1981).

+ *subbimaculella* (Haworth, 1828)

Footnote: Shackleton (1977) (det. Emmet). This species was recorded as Irish by Beirne (1941), but in view of uncertainties about earlier determinations, Shackleton's record should be treated as the first confirmed Irish record (Bond, 1995).

***septembrella* (Stainton, 1849)**

Synonymy: *Fomoria* Beirne, 1845 (Sub-genus).

Footnote: Beirne (1945b).

TRIFURCULA ZELLER, 1848

+ *subnitidella* (Duponchel, 1843)

Synonymy: *griseella* Wollf, 1957.

Synonymy: *Trifurcula* Zeller (Sub-genus).

Footnote: Mere *et al.* (1962).

***immundella* (Zeller, 1839)**

+ *cryptella* (Stainton, 1856)

Synonymy: *Levarchama* Beirne, 1945 (Sub-genus).

Footnote: Emmet (1975a).

Footnote: Beirne (1945b).

+ *eurema* (Tutt, 1899)

Synonymy: *Levarchama* Beirne, 1945 (Sub-genus).

Footnote: Bradley and Pelham-Clinton (1967).

STIGMELLA SCHRANK, 1802

Synonymy: *Nepticula* Heyden, 1843.

***aurella* (Fabricius, 1775)**

Synonymy: *Nepticula aurella* Stainton *in* Beirne (1941).

Synonymy: *fragariella* (Heinemann, 1862).

Footnote: (Emmet, 1975b). Now considered to be a form of *S. aurella* (see Emmet, 1991a).

***splendidissimella* (Herrich-Schäffer, 1855)**

Synonymy: *dulcella* (Heinemann, 1862).

Synonymy: in *Nepticula* in Beirne (1941).

Footnote: [*dulcella*] now considered to be a form of *S. splendidissimella* (see Emmet, 1991a).

+ *auromarginella* (Richardson, 1890)

Footnote: Mere and Pelham-Clinton (1966); Bradley and Pelham-Clinton (1967).

+ *aeneofasciella* (Herrich-Schäffer, 1855)

Footnote: Emmet (1981).

+ *dryadella* (Hofmann, 1868)

Footnote: Mere and Pelham-Clinton (1966); Bradley and Pelham-Clinton (1967).

+ *filipendulae* (Wocke, 1871)

Footnote: Beirne (1944).

+ *ulmariae* (Wocke, 1879)

Footnote: Emmet (1981).

+ *poterii* (Stainton, 1857)

forma *serella* (Stainton, 1866)

Footnote: Mere *et al.* (1962). [*serella*] a junior synonym of *S. poterii* now considered to be a form (see Johansson *et al.*, 1990).

***lemniscella* (Zeller, 1839)**

Synonymy: *Nepticula marginicolella* Stt. in Beirne (1941).

+ *continuella* (Stainton, 1856)

Footnote: Emmet (1981).

sorbi (Stainton, 1861)

Synonymy: in *Nepticula* in Beirne (1941).

***plagicolella* (Stainton, 1854)**

Synonymy: in *Nepticula* in Beirne (1941).

+ *salicis* (Stainton, 1854)

Synonymy: *auritella* (Skala, 1934).

Footnote: [*auritella*] recorded by Emmet (1976) as a good species, but now considered to be a form of *S. salicis* (Johansson *et al.*, 1990).

Footnote: Beirne (1944); Bradley and Pelham-Clinton (1967).

+ *obliquella* (Heinemann, 1862)

Footnote: Emmet (1981).

+ *zelleriella* (Snellen, 1875)

Synonymy: *repentiella* (Wolf, 1955).

Footnote: Bond (1996).

+ *myrtillella* (Stainton, 1857)

Synonymy: *repentiella* (Wolf, 1959).

Footnote: Emmet (1975b).

+ *trimaculella* (Haworth, 1828)

Footnote: Emmet (1981).

+ *floslactella* (Haworth, 1828)

Footnote: Bradley and Pelham-Clinton (1967).

+ *tityrella* (Stainton, 1854)

Footnote: Emmet (1975b).

+ *perpygmaeella* (Doubleday, 1859)

Synonymy: *pygmaeella* (Haworth, 1828) nec (Hübner, 1813).

Footnote: Emmet (1975b).

+ *ulmivora* (Fologne, 1860)

Footnote: Emmet (1981).

+ *hemargyrella* (Kollar, 1832)

Footnote: Emmet (1975b).

+ *paradoxa* (Frey, 1858)

Footnote: Emmet (1970a).

+ *atricapitella* (Haworth, 1828)

Footnote: Emmet (1971, 1975b).

+ *ruficapitella* (Haworth, 1828)

Footnote: Emmet (1971).

+ *svenssoni* (Johansson, 1971)

Footnote: recorded from area I (Munster) and J (Connaught) by Emmet (1991a).

Emmet (1981) had written "I am strongly of the opinion that ...*S. svenssoni* (Johansson) occurs not uncommonly".

anomaella (Goeze, 1783)

ROSE LEAF MINER

Synonymy: in *Nepticula* in Beirne (1941).

+ *spinosissimae* (Waters, 1928)

Footnote: Bradley and Pelham-Clinton (1967).

malella (Stainton, 1854)

APPLE PYGMY

Synonymy: in *Nepticula* in Beirne (1941).

+ *catharticella* (Stainton, 1853)

Footnote: Speight and Cogan (1979); Emmet (1981).

hybnerella (Hübner, 1796)

Synonymy: *Nepticula gratiosella* Stt. in Beirne (1941).

Synonymy: *Nepticula ignobilella* Stt. in Beirne (1941).

oxyacanthella (Stainton, 1854)

Synonymy: in *Nepticula* in Beirne (1941).

Footnote: Emmet (1975b). Also recorded by Bradley. Boulevan, Co. Clare, August 1969 (Bond, 1995).

+ *nylandriella* (Tengström, 1848)

Synonymy: *aucupariae* (Frey, 1857).

Footnote: Beirne (1944); Emmet (1971).

+ *magdalenae* (Klimesch, 1950)

Synonymy: *nylandriella* sensu auctorum.

Footnote: Emmet (1975a).

+ *crataegella* (Klimesch, 1936)

Footnote: Bond (1995).

+ *betulicola* (Stainton, 1856)

Footnote: Emmet (1981).

+ *microtheriella* (Stainton, 1854)

Footnote: Emmet (1971).

+ *luteella* (Stainton, 1857)

Footnote: Emmet (1971). Also recorded by Bradley: mines on *Betula* at Boulevan, Co. Clare, August 1969, emerged 3 May 1970 (Bond, 1995).

+ *glutinosae* (Stainton, 1858)

Footnote: Emmet (1981).

+ *alnetella* (Stainton, 1856)

Footnote: Emmet and Langmaid (1997).

Earlier records were unconfirmed and this species was not mentioned in Bond (1995).

+ *lapponica* (Wocke, 1862)

Footnote: Mere and Pelham-Clinton (1966).

+ *confusella* (Wood, 1894)

Footnote: Emmet (1971). Also recorded by Bradley: mines on *Betula*, Boulevan, Co. Clare, August 1969 (Bond, 1995).

ENTEUCHA MEYRICK, 1915

+ *acetosae* (Stainton, 1854)

Synonymy: in *Nepticula* in Beirne (1941).

5. OPOSTEGIDAE

EYE-CAP MOTHS

OPOSTEGA ZELLER, 1839

+ *salaciella* (Treitschke, 1833)

PSEUDOPOSTEGA KOZLOV, 1985

+ *crepusculella* (Zeller, 1839)

Synonymy: in *Opostega* in Beirne (1941).

TISCHERIOIDEA

6. TISCHERIIDAE

TRUMPET LEAFMINER MOTHS

TISCHERIA ZELLER, 1839

+ *ekebladella* (Bjerkander, 1795)

Synonymy: *complanella* Hübn. in Beirne (1941).

+ *dodonaea* Stainton, 1858

Footnote: The Irish occurrence is not indicated in Emmet (1991a).

Footnote: *dodonaea* Meyr. in Beirne (1941).

Footnote: *dodonea* in Bond (1995).

EMMETIA LERAUT, 1993

marginea (Haworth, 1828)

Synonymy: in *Tischeria* in Beirne (1941).

INCURVARIOIDEA

7. INCURVARIIDAE

INCURVARIINAE

LEAFCUTTER MOTHS

PHYLLOPORIA HEINEMANN, 1870

bistrigella (Haworth, 1828)

INCURVARIA HAWORTH, 1828

pectinea Haworth, 1828

masculella (Denis and
Schifferrmüller, 1775)

Synonymy: *muscalella* Fab. in Beirne (1941).

oehlmanniella (Hübner, 1796)

Synonymy: in *Lampronia* in Beirne (1941).

Synonymy: *zinckenii* (Zeller, 1839).

praelatella (Denis and
Schifferrmüller, 1775)

Synonymy: in *Lampronia* in Beirne (1941).

Synonymy: *Excurvaria* Kuprijanov, 1994.

8. PRODOXIDAE

YUCCA MOTHS

LAMPRONIINAE

LAMPRONIA STEPHENS, 1829

luzella (Hübner, 1817)

corticella (Linnaeus, 1758)

RASPBERRY MOTH

Synonymy: *rubiella* Bjerk. in
Beirne (1941).

+ *pubicornis* (Haworth, 1828)

Footnote: Bradley and Pelham-Clinton (1967). Hodgkinson (1868) recorded this species from Howth, Co. Dublin, but Beirne (1941) considered this record doubtful pending confirmation.

9. ADELIDAE

LONGHORNED FAIRY MOTHS

NEMATOPOGONINAE

NEMATOPOGON ZELLER, 1839

swammerdamella (Linnaeus, 1758)

Synonymy: in *Nemophora* in Beirne (1941).

schwarziellus Zeller, 1839

Synonymy: in *Nemophora* in Beirne (1941).

Synonymy: *panzerella* sensu auctorum.

Footnote: misidentification. *N.*

panzerella (Fabricius, 1794) is a junior synonym of *N. adonsoniella* (Villers, 1789), restricted to Continental Europe.

***metaxella* (Hübner, 1813)**

Synonymy: in *Nemophora metaxiella* in Beirne (1941) (misspelling).

+ ***magna* (Zeller, 1878)**

Synonymy: *variella* (Brandt, 1937).

Synonymy: *piliella* (Denis and Schiffermüller, 1775) partim.

Footnote: Bland (1984) as *Nematopogon variella*. The record of *Nematopogon pilella* in Heath and Pelham-Clinton (1976) refers to this species (Bond, 1995).

ADELINAE

NEMOPHORA ILLIGER AND HOFFMANNSEGG, 1798

***minimella* (Denis and
Schiffermüller, 1775)**

Synonymy: in *Nematois* in Beirne (1941). The authority is given as Zeller.

***cupriacella* (Hübner, 1819)**

Synonymy: in *Nematois* in Beirne (1941).

***degeerella* (Linnaeus, 1758)**

Synonymy: in *Nematois* in Beirne (1941).

ADELA LATREILLE, 1796

+ ***cuprella* (Denis and
Schiffermüller, 1775)**

Footnote: Bond (1981c). Beirne (1941) considered the three earlier Irish records unreliable.

***reaumurella* (Linnaeus, 1758)**

Synonymy: *viridella* Scop. in Beirne (1941).

+ ***croesella* (Scopoli, 1763)**

Footnote: Mere *et al.* (1964). There is also a specimen in the King collection (Glasgow University) labelled "Enniskerry - Wicklow July 3-14 1876" (Bond, 1995).

***rufimitrella* (Scopoli, 1763)**

Synonymy: in *Cauchas* Zeller, 1839 in recent Continental works.

10. HELIOZELIDAE

SHIELDBEARER MOTHS

HELIOZELA HERRICH- SCHÄFFER, 1853

***sericiella* (Haworth, 1828)**

+ ***resplendella* (Stainton, 1851)**

Footnote: Mere *et al.* (1964); Emmet (1968).

+ ***hammoniella* (Sorhagen,
1885)**

Footnote: Emmet (1971).

COSSOIDEA

11. COSSIDAE

CARPENTER MOTHS

ZEUZERINAE

ZEUZERA LATREILLE, 1804

+ *pyrina* (Linnaeus, 1761)

LEOPARD MOTH

Footnote: Myers (1979b).

COSSINAE

COSSUS FABRICIUS, 1793

cossus (Linnaeus, 1758)

GOAT MOTH

ZYGAENOIDEA

12. ZYGAENIDAE

BURNET MOTHS

PROCRIDINAE

ADSCITA RETZIUS, 1783

statice (Linnaeus, 1758)

THE FORESTER

Synonymy: in *Procris* in Baynes (1964).

ZYGAENINAE

ZYGAENA FABRICIUS, 1775

filipendulae stephensi Dupont, 1900

SIX-SPOT BURNET

BUIRNÉAD SÉBHALLACH

Synonymy: *filipendulae anglicola*

Tremewan in Baynes (1964).

Footnote: nominate *filipendulae*

(Linnaeus, 1758) is confined to

Continental Europe. Hybrids

between *Zygaena lonicerae* and *Z.*

filipendulae are reported from

Coagh, Co. Londonderry by Greer

(1918).

lonicerae insularis Tremewan,

1960

NARROW-BORDERED FIVE-

SPOT BURNET

Synonymy: *lonicerae* ssp.

transferens Verity in Baynes

(1964).

Footnote: Tremewan (1960).

Footnote: Bradley (2000) states that

nominate *lonicerae* (Scheven,

1777) occurs in Continental Europe

and lists three British Isles sub-

species: *latomarginata* Tutt, 1899

from mainland Britain, *jocelynae*

Tremewan, 1962 from the Inner

Hebrides (Skye) and *insularis*

Tremewan, 1960 from Ireland,

“mainly northern”. Sub-species

transferens Verity is not listed (but

see Bradley *et al.* (1972)).

***purpuralis sabulosa* Tremewan,
1960**

TRANSPARENT BURNET

Synonymy: *purpuralis* Brunn. in Baynes (1964).

Footnote: Tremewan (1960).

Footnote: Bradley (2000) states that the nominate *purpuralis* (Brünnich, 1763) occurs in Continental Europe and lists three British Isles sub-species: *segontii* Tremewan, 1958 from North Wales, a western Scottish sub-species *caledonensis* Reiss, 1931 and sub-species *sabulosa* Tremewan, 1960 from Ireland. Baynes (1964) says “The general run of Irish specimens are sub-species *hibernica* Reiss, but it is said that some Irish examples are closer in appearance to the western Scottish sub-species *caledonensis* Reiss, and these have been named f. loc. *sabulosa* Tremewan”.

TINEOIDEA

13. PSYCHIDAE

BAGWORM MOTHS

NARYCIINAE

***DIPLODOMA* ZELLER, 1852**

***herminata* (Geoffroy, 1785)**

Synonymy: *Narycia*

marginepunctella Steph. in Beirne (1941).

Synonymy: *laichartingella* (Goeze, 1783) in Bond (1995).

Footnote: the name *herminata* (Geoffroy, 1785) is used in Hättenschwiler (1985) and Emmet (1991a); *laichartingella* is a *nomen dubium* vide Hättenschwiler (1985).

PSYCHINAE

***LUFFIA* TUTT, 1899**

***ferchaultella* (Stephens, 1850)**

Synonymy: *lapidella* sensu Beirne (1941).

Footnote: the status of this parthenogenetic species is uncertain (Emmet, 1991a) and it is possible that it is a form of the bisexual species *L. lapidella* (Goeze, 1783), under which name Beirne (1941) recorded it.

***PSYCHE* SCHRANK, 1801**

***casta* (Pallas, 1767)**

Synonymy: in *Fumea* in Beirne (1941).

+ ***crassiorella* Braund, 1850**

Synonymy: in *Fumea* in Beirne (1941).

Footnote: Beirne (1941) considered the Tyrone record to be doubtful but later confirmed it (Beirne, 1942). Bradley (2000) also gives Tyrone.

EPICHOPTERIGINAE

EPICHOPTERIX HÜBNER, 1825

plumella (Denis and Schiffermüller, 1775)

Synonymy: *pulla* Esp. in Beirne (1941).

Footnote: Beirne (1941); Huggins (1953). The Irish records quoted by these authors are not indicated in Emmet (1991a) although they are included by Hättenschwiler (1985).

14. TINEIDAE

FUNGUS MOTHS

DRYADAULINAE

DRYADAULA MEYRICK, 1893

+ *pactolia* Meyrick, 1902

Footnote: Bond (1996).

Adventive colonist.

TEICHOBIIINAE

PSYCHOIDES BRUAND, 1847

Synonymy: *Teichobia* Herrich-Schäffer.

+ *verhuella* Bruand, 1847

Footnote: Pelham-Clinton (1985b).

Beirne (1941) considered that a Co.

Kerry record needed confirmation..

filicivora (Meyrick, 1937)

Synonymy: in *Mnesipatris* in

Beirne (1941).

Adventive colonist.

MEESSIINAE

INFURCITINEA SPULER, 1910

argentimaculella (Stainton, 1849)

Synonymy: in *Meessia* in Beirne (1941).

albicomella (Stainton, 1851)

Synonymy: *Tinea confusella* H.-S. in Beirne (1941).

HAPLOTINEA DIAKONOFF AND HINTON, 1956

insectella (Fabricius, 1794)

Synonymy: *Tinea insectella* Fab. in Beirne (1941).

Adventive on stored grain and vegetable products. Europe-Asia.

NEMAPOGONINAE

NEMAPOGON SCHRANK, 1802

granella (Linnaeus, 1758)

CORN MOTH

Synonymy: in *Tinea* in Beirne (1941).

Footnote: Pelham-Clinton (1985b)

implied that the Irish records

needed confirmation but Beirne had

dissected two of the Murray specimens in Trinity College, Dublin. There are also more recent records from mid-Cork (Bond, 1996).

cloacella (Haworth, 1828)

CORK MOTH

Synonymy: in *Tinea* in Beirne (1941).

uricolella (Stainton, 1849)

Synonymy: in *Tinea* in Beirne (1941).

+ *clematella* (Fabricius, 1781)

Synonymy: *arcella* sensu auctorum.

Footnote: Pelham-Clinton (1985b)

confirms the Irish status of this species.

Beirne (1941) had considered the one Irish record known then as doubtful. The details of the Clare record are:- Boulevan (Burren), 8-18 August 1969 (Bond, 1995).

TRIAXOMERA ZAGULYAEV, 1959

+ *fulvimitrella* (Sodoffsky, 1830)

Footnote: Chalmers-Hunt (1982). This record is not included in Pelham-Clinton (1985b).

TINEINAE

MONOPIS HÜBNER, 1825

laevigella (Denis and

Schifferrmüller, 1775)

SKIN MOTH

Synonymy: *rusticella* Hübn. in Beirne (1941).

+ *weaverella* (Scott, 1858)

Footnote: Bond (1996).

crociapitella (Clemens, 1859)

Footnote: Beirne's (1941) records of *Monopis ferruginella* (Hübner) (= *Monopis obviella* Denis and Schifferrmüller) refer to *Monopis crociapitella* (Clemens), see Pelham-Clinton (1985b).

+ *imella* (Hübner, 1813)

Footnote: Agassiz (1982).

TRICHOPHAGA RAGONOT, 1894

tapetzella (Linnaeus, 1758)

TAPESTRY MOTH

LEAMHAN TAIPÉISE

Synonymy: *Trichorapha tapetiella* in Beirne (1941).

TINEOLA HERRICH-SCHAFFER, 1853

bisselliella (Hummel, 1823)

COMMON CLOTHES MOTH

Synonymy: *biselliella* in Beirne (1941).

Synanthropic.

NIDITINEA G. PETERSEN, 1957

***fuscella* (Linnaeus, 1758)**

BROWN-DOTTED CLOTHES MOTH

Synonymy: *Tinea fuscipunctella* Haw. in
Beirne (1941).

TINEA LINNAEUS, 1758

***pellionella* Linnaeus, 1758**

CASE-BEARING CLOTHES MOTH

LEAMHAN ÉADAIGH AN CHÁIS

+ *dubiella* Stainton, 1859

Synonymy: *turicensis* Müller-Rutz,
1920.

Footnote: Robinson (1979).

***flavescentella* Haworth, 1828**

***pallescentella* Stainton, 1851**

LARGE PALE CLOTHES MOTH

***semifulvella* Haworth, 1828**

***trinotella* Thunberg, 1794**

Synonymy: *Tinea lapella* Hübn. in
Beirne (1941).

HIEROXESTINAE

OINOPHILA STEPHENS, 1848

***v-flava* (Haworth, 1828)**

YELLOW V-MOTH

GRACILLARIOIDEA

15. BUCCALATRICIDAE

RIBBED-COCCOON MAKER MOTHS

BUCCULATRIX ZELLER, 1839

+ *cristatella* (Zeller, 1839)

Footnote: Beirne (1945a).

***nigricomella* (Zeller, 1839)**

***maritima* Stainton, 1851**

+ *frangutella* (Goeze, 1783)

Synonymy: *frangulella* missp.

Footnote: Emmet (1985b); Bond
(1996).

+ *albedinella* Zeller, 1839

Footnote: Bond (1996).

***cidarella* (Zeller, 1839)**

***ulmella* Zeller, 1848**

***bechsteinella* (Bechstein and
Scharfenberg, 1805)**

Synonymy: *crataegi* Zell. in Beirne
(1941).

Footnote: *bechsteinella* is the
spelling given in Emmet (1991b)
and Bradley (2000) not
bechsteiniella.

**+ *demaryella* (Duponchel,
1840)**

Footnote: Bradley and Pelham-
Clinton (1967).

16. GRACILLARIIDAE

LEAFMINER MOTHS

GRACILLARIINAE

CALOPTILIA HÜBNER, 1825

***cuculipennella* (Hübner, 1796)**

***populetorum* (Zeller, 1839)**

***elongella* (Linnaeus, 1761)**

Footnote: Emmet *et al.* (1985) state that *C. elongella* occurs wherever its foodplant (*Alnus glutinosa* (L.) Gaertn.) is found throughout the British Isles and their accompanying map indicates records from twelve Irish vice-counties. Beirne (1941) stated that this species was widely distributed in Ireland. However, when Beirne wrote, *C. elongella* and *C. betulicola* were not recognised as separate species. Published records include Mere and Pelham-Clinton (1966), Ellerton (1967) and Emmet (1968).

+ *betulicola* (M. Hering, 1927)

Footnote: the only published record appears to be that of Langmaid (1989) from West Mayo. In addition, the distribution map in Emmet *et al.* (1985) indicates records from North Kerry, Offaly, Wicklow and Armagh. Records in Beirne (1941) of *C. elongella*, *q. v.* could refer to either that species or *C. betulicola*.

***alchimiella* (Scopoli, 1763)**

+ *robustella* Jäckh, 1972

Footnote: Chalmers-Hunt (1982).

***stigmatella* (Fabricius, 1781)**

+ *falconipennella* (Hübner, 1813)

Footnote: in Emmet *et al.* (1985), the text refers to Meath (H22), but this should be Westmeath (H23) as shown on the distribution map (Bond, 1995).

***leucapennella* (Stephens, 1835)**

Synonymy: *sulphurella* Haw. in Beirne (1941).

Synonymy: *Povolnya* Kuznetsov, 1979.

***syringella* (Fabricius, 1794)**

Synonymy: *Gracillaria* Haworth, 1828 subgenus.

ASPILAPTERYX SPULER, 1910

***tringipennella* (Zeller, 1839)**

Synonymy: in *Caloptilia* in Beirne (1941)

CALYBITES HÜBNER, 1822

***phasianipennella* (Hübner, 1813)**

Synonymy: in *Caloptilia* in Beirne (1941).

***auroguttella* (Stephens, 1835)**

Synonymy: in *Caloptilia* in Beirne (1941).

PARORNIX SPULER, 1910

+ *loganella* (Stainton, 1848)

Footnote: Mere *et al.* (1964).

betulae (Stainton, 1854)

anglicella (Stainton, 1850)

devoniella (Stainton, 1850)

Synonymy: *avellanella* Stt. in Beirne (1941).

scoticella (Stainton, 1850)

+ *finitimella* (Zeller, 1850)

Footnote: Emmet and Langmaid (1997).

DELTAORNIX KUZNETSOV 1979

+ *torquillella* (Zeller, 1850)

Footnote: new placement, previously in *Parornix*.

Footnote: Bradley and Pelham-Clinton (1967).

CALLISTO STEPHENS, 1834

denticulella (Thunberg, 1794)

Synonymy: *guttea* Haw. in Beirne (1941).

ACROCERCOPS WALLENGREN, 1881

brongniardella (Fabricius, 1798)

LITHOCOLLETINAE

PHYLLONORYCTER HÜBNER, 1822

harrisella (Linnaeus, 1761)

Synonymy: *Lithocolletis cramerella* Fab. in Beirne (1941).

roboris (Zeller, 1839)

Synonymy: in *Lithocolletis* in Beirne (1941).

heegeriella (Zeller, 1846)

Synonymy: in *Lithocolletis* in Beirne (1941).

quercifoliella (Zeller, 1839)

Synonymy: in *Lithocolletis* in Beirne (1941).

messaniella (Zeller, 1846)

Synonymy: in *Lithocolletis* in Beirne (1941).

oxyacanthae (Frey, 1856)

Synonymy: in *Lithocolletis* in Beirne (1941).

Synonymy: *Meganephria oxyacanthae* [Linnaeus] (Frey, 1856).

+ *sorbi* (Frey, 1855)

Footnote: Emmet (1970b, 1971).

mespilella (Hübner, 1805)

Footnote: there has been much confusion over the identity of this species, *Ph. blancardanella* and *Ph. cydoniella* (see Beirne, 1941) (in *Lithocolletis*). Confirmed Irish records are given by Bond (1996).

+ *blancardella* (Fabricius, 1781)

Footnote: records for this species and *Ph. cydoniella* may be confused in Beirne (1941) (in *Lithocolletis*); confirmed Irish records are listed in Bond (1996).

+ *cydoniella* (Denis and
Schifferrmüller, 1775)

Synonymy: *blancardella* sensu Beirne (1941).

Footnote: confirmed records are listed in Bond (1996).

+ *spinicolella* (Zeller, 1846)

Synonymy: *pomonella* (Zeller, 1846).

Footnote: confirmed by Beirne (1945a).

Beirne (1941) (as *Lithocolletis*) had considered that the record of Hogan (1855) was in need of confirmation.

corylifoliella (Hübner, 1796)

Synonymy: in *Lithocolletis* in Beirne (1941).

+ *leucographella* (Zeller, 1850)

Footnote: Bond and Ashe (2005).

+ *salicitella* ssp. *viminiella* (Sircom,
1848)

Footnote: Beirne (1945a). Status changed. Now considered a sub-species of *P. salicitella* (Zeller, 1846) (the nominate sub-species is Continental Europe only). However *P. viminiella* may well be a good species.

viminetorum (Stainton, 1854)

Synonymy: in *Lithocolletis* in Beirne (1941).

salicicolella (Sircom, 1848)

Synonymy: in *Lithocolletis* in Beirne (1941).

hilarella (Zetterstedt, 1839)

Synonymy: *Lithocolletis spinolella* Dup. in Beirne (1941).

scopariella (Zeller, 1846)

Synonymy: in *Lithocolletis* in Beirne (1941).

maestingella (Müller, 1764)

Synonymy: *Lithocolletis faginella* Zell. in Beirne (1941).

+ *coryli* (Nicelli, 1851)

NUT LEAF BLISTER MOTH

Footnote: Bradley and Pelham-Clinton (1967).

rajella (Linnaeus, 1758)

Synonymy: *Lithocolletis alnifoliella* Dup. (sic) in Beirne (1941).

+ *quinqueguttella* (Stainton,
1851)

Footnote: Emmet (1970b, 1971).

nigrescentella (Logan, 1851)

Synonymy: in *Lithocolletis* in Beirne (1941).

+ *insignitella* (Zeller, 1846)

Footnote: Emmet (1975a).

***lautella* (Zeller, 1846)**

Synonymy: in *Lithocolletis* in Beirne (1941).

***ulmifoliella* (Hübner, 1817)**

Synonymy: in *Lithocolletis* in Beirne (1941).

+ *emberizaepenella* (Bouché, 1834)

Footnote: according to Emmet *et al.* (1985), the only Irish record is that of Bradley and Pelham-Clinton from the Burren (1967). The species is not however recorded in that paper, but Irish records are summarised in Bond (1996).

+ *tristrigella* (Haworth, 1828)

Footnote: Mere *et al.* (1964).

+ *froelichiella* (Zeller, 1839)

Footnote: the record in Mere *et al.* (1964), and in Bradley and Pelham-Clinton (1967) is based on a misidentification (Bond, 1995). More recent confirmed records are found in Bond (1996).

+ *nicellii* (Stainton, 1851)

Footnote: Bradley and Pelham-Clinton (1967). The record of *Phyllonorycter froelichiella* (Zeller) in Bradley and Pelham-Clinton (1967) also refers to this species (Bond, 1995). Beirne (1941) had

considered that confirmation of the record in Partridge (1895) was desirable.

***kleemannella* (Fabricius, 1781)**

Synonymy: in *Lithocolletis* in Beirne (1941).

***trifasciella* (Haworth, 1828)**

Synonymy: in *Lithocolletis* in Beirne (1941).

+ *geniculella* (Ragonot, 1874)

Footnote: Emmet and Langmaid (1997); Emmet *in* Agassiz (1998).

PYLLOCNISTINAE

***PHYLLOCNISTIS* ZELLER, 1848**

+ *unipunctella* (Stephens, 1834)

Footnote: Bond (2001); Langmaid and Young (2001).

SESIOIDEA

17. SESIIDAE

CLEARWING MOTHS

SESIINAE

***SESIA* FABRICIUS, 1775**

***apiformis* (Clerck, 1795)**

HORNET MOTH

Synonymy: *Aegeria* Fabricius, 1807.

***bembeciformis* (Hübner, 1806)**

LUNAR HORNET MOTH

Synonymy: in *Sphecia* in Baynes (1964).

PARANTHRENINAE

***SYNANTHEDON* HÜBNER, 1819**

Synonymy: *Conopia* Hübner, 1819

***tipuliformis* (Clerck, 1759)**

CURRENT CLEARWING

Synonymy: in *Aegeria* in Baynes (1964).

***scoliaeformis* (Borkhausen, 1789)**

WELSH CLEARWING

Synonymy: in *Aegeria* in Baynes (1964).

***formicaeformis* (Esper, 1783)**

RED-TIPPED CLEARWING

Synonymy: in *Aegeria* in Baynes (1964).

***SYNANSPHECIA* CĂPUȘE, 1973**

***muscaeformis* (Esper, 1783)**

THRIFT CLEARWING

Synonymy: in *Aegeria* in Baynes (1964).

CHOREUTOIDEA

18. CHOREUTIDAE

METALMARK MOTHS

***ANTHOPHILA* HAWORTH, 1811**

***fabriciana* (Linnaeus, 1767)**

***TEBENNA* BILLBERG, 1820**

+ *micalis* (Mann, 1857)

Synonymy: *bjerkandrella* auctorum – misidentification.

Footnote: the record of *Tebenna*

bjerkandrella (Thunberg) (Bond,

1983) is based on a

misidentification of *T. micalis* - see Heckford (1990).

Rare migrant and transitory resident (Britain). Southern Europe, Japan, Australia.

***PROCHOREUTIS* DIAKONOFF AND HEPPNER, 1980**

***sehestediana* (Fabricius, 1776)**

Synonymy: *Choreutis punctosa*

Haw. in Beirne (1941).

***myllerana* (Fabricius, 1794)**

Synonymy: in *Choreutis* in Beirne (1941).

YPONOMEUTOIDEA

19. GLYPHIPTERIGIDAE

SEDGE MOTHS

GLYPHIPTERIGINAE

***GLYPHIPTERIX* HÜBNER, 1825**

***simpliciella* (Stephens, 1834)**

COCKSFOOT MOTH

Synonymy: *cramerella* Fab. in Beirne (1941).

Synonymy: *fischeriella* (Zeller, 1839).

+ *schoenicolella* Boyd, 1858

Footnote: Bradley (1953a).

+ *forsterella* (Fabricius, 1781)

Footnote: Mere *et al.* (1964).

+ *haworthana* (Stephens, 1834)

Synonymy: *haworthiana* in Beirne (1941).

Footnote: Bond (1996). Beirne (1941) wrote of the two old records that “confirmation is desirable”.

thrasonella (Scopoli, 1763)

Synonymy: *thrasoniella* in Beirne (1941).

ORTHOTELIINAE

ORTHOTAELIA STEPHENS, 1834

sparganella (Thunberg, 1788)

Footnote: new placement, was in Yponomeutidae.

20. YPONOMEUTIDAE

DIAMONDBACK MOTHS

ARGYRESTHIINAE

ARGYRESTHIA HÜBNER, 1825

+ *laevigatella* (Heydenreich, 1851)

Synonymy: *atmoriella* Bankes, 1896.

Footnote: Beirne (1942); Emmet (1971).

arceuthina Zeller, 1839

+ *dilectella* Zeller, 1847

Footnote: Agassiz (1988);

Langmaid (1989); also recorded from Douglas, mid-Cork, by Bond (1995).

brockeella (Hübner, 1813)

goedartella (Linnaeus, 1758)

pygmaeella (Denis and

Schifferrmüller, 1775)

sorbiella (Treitschke, 1833)

curvella (Linnaeus, 1761)

Synonymy: *arcella* (Fabricius, 1776).

Synonymy: *cornella* Fab. in Beirne (1941).

retinella Zeller, 1839

glaucinella Zeller, 1839

spinosella Stainton, 1849

Synonymy: *mendica* Haw. in Beirne (1941).

conjugella Zeller, 1839

APPLE FRUIT MOTH

f. *maculosa* Tengström, 1847

Footnote: [*maculosa*] colour form, mainly in North Scotland and Ireland.

semifusca (Haworth, 1828)

Synonymy: *spiniella* Zell. in Beirne (1941) (and as separate species).

pruniella (Clerck, 1759)

CHERRY FRUIT MOTH

Synonymy: *ephippella* Fab. in Beirne (1941).

bonnetella (Linnaeus, 1758)

Synonymy: *curvella* sensu auctorum.

Synonymy: *nitidella* Fab. in Beirne (1941).

albistria (Haworth, 1828)

semitestacella (Curtis, 1833)

YPONOMEUTINAE

YPONOMEUTA LATREILLE, 1796

evonymella (Linnaeus, 1758)

BIRD-CHERRY ERMINE

Resident and migrant.

padella (Linnaeus, 1758)

ORCHARD ERMINE

malinellus Zeller, 1838

APPLE ERMINE

Synonymy: *padella* in Beirne (1941) partim.

Footnote: Beirne (1941) treated this species as an apple-feeding race of *Y. padella*.

cagnagella (Hübner, 1813)

SPINDLE ERMINE

Synonymy: *cognatella* Hübn. (sic, in vero Treitschke) in Beirne (1941).

plumbella (Denis and

Schifferrmüller, 1775)

Synonymy: in *Yponomeuta* in Beirne (1941).

KESSLERIA NOWICKI, 1864

+ *saxifragae* (Stainton, 1868)

Synonymy: *Hofmannia* Wocke, 1876.

Footnote: Mere *et al.* (1962).

ZELLERIA STAINTON, 1849

hepariella Stainton, 1849

Synonymy: *phillyrella* Millière, 1868 sensu Kane (1901); Beirne (1941).

PSEUDOSWAMMERDAMIA

FRIESE, 1960

combinella (Hübner, 1786)

Synonymy: in *Swammerdamia* in Beirne (1941).

SWAMMERDAMIA HÜBNER, 1825

caesiella (Hübner, 1796)

Synonymy: *heroldella* Hübn. in Beirne (1941).

pyrella (Villers, 1789)

PARASWAMMERDAMIA

FRIESE, 1960

albicapitella (Scharfenberg, 1805)

Synonymy: *spiniella* (Hübner, 1809).

Synonymy: *caesiella* (Hübner, 1813) nec (Hübner, 1796).

***lutarea* (Haworth, 1828)**

Synonymy: in *Swammerdamia* in Beirne (1941).

Synonymy: *nebulella* (Goeze, 1783) nomen dubium.

CEDESTIS ZELLER, 1839

+ ***subfasciella* (Stephens, 1834)**

Synonymy: *farinatella* (Duponchel, 1840).

Footnote: Mere *et al.* (1964).

OCNEROSTOMA ZELLER, 1847

+ ***piniariella* Zeller, 1847**

Footnote: Beirne (1941) considered the single old Irish record of *O. piniariella* to be in need of confirmation, but at that time this species and *O. friesei* had not been separated. The differences between the two species are described by Svensson (1966). Confirmed Irish records of both species are found in Bond (1996).

+ ***friesei* Svensson, 1966**

Footnote: see footnote under *O. piniariella* (above).

PRAYDINAE

PRAYS HÜBNER, 1825

***fraxinella* (Bjerkander, 1784)**

ASH BUD MOTH

Synonymy: *curtisellus* Don. in Beirne (1941).

YPSOLOPHINAE

YPSOLOPHA LATREILLE, 1796

+ ***mucronella* (Scopoli, 1763)**

Footnote: Johnson and Bond (1999); Johnson (2001).

***nemorella* (Linnaeus, 1758)**

***dentella* (Fabricius, 1775)**

HONEYSUCKLE MOTH

Synonymy: *xylostella* in Beirne (1941) and auctt.

***scabrella* (Linnaeus, 1761)**

***parenthesella* (Linnaeus, 1761)**

Synonymy: *costella* Fab. in Beirne (1941).

***ustella* (Clerck, 1759)**

Synonymy: *radiatella* Don. in Beirne (1941).

***vittella* (Linnaeus, 1758)**

OCHSENHEIMERIINAE

Footnote: Ochsenheimeriidae.

Status change.

OCHSENHEIMERIA HÜBNER, 1825

***taurella* (Dennis and**

Schiffermüller, 1775)

Synonymy: *mediopectinellus* (Haworth, 1828).

Synonymy: *birdella* Curtis in Beirne (1941).

+ *urella* Fischer von Röslerstamm, 1842

Synonymy: *bisontella* (Lienig and Zeller, 1846).

Footnote: Beirne (1941) considered the Irish status to be doubtful pending confirmation, due to uncertainties about the identification. Beirne (1945a) reported *Ochsenheimeria birdella* (synonym *bisontella* (Lienig and Zeller, 1846)). According to Emmet (1985a), Beirne's records are now accepted "since its presence there has now been confirmed". The only published record is Bond (1989).

PLUTELLINAE

PLUTELLA SCHRANK, 1802

xylostella (Linnaeus, 1758)

DIAMOND-BACK MOTH

Synonymy: *maculipennis* Curt. in Beirne (1941).

Resident and breeding migrant.

porrectella (Linnaeus, 1758)

RHIGOGNOSTIS ZELLER, 1857

senilella (Zetterstedt, 1839)

Synonymy: *Plutella dalella* Stt. in Beirne (1941).

annulatella (Curtis, 1832)

Synonymy: in *Plutella* in Beirne (1941).

+ *incarnatella* (Steudel, 1873)

Footnote: Bond (1991a).

ACROLEPIINAE

DIGITIVALVA GAEDICKE, 1970

pulicariae (Klimesch, 1956)

Synonymy: *Acrolepia granitella* Tr. in Beirne (1941) and sensu auctorum.

Synonymy: *Inuliphila* Gaedike, 1970.

21. LYONETHIDAE

LEAF SKELETONIZER MOTHS

CEMIOSTOMINAE

LEUCOPTERA HÜBNER, 1825

Synonymy: *Cemiostoma* Zeller, 1848; *Paraleucoptera* Heinrich, 1918.

laburnella (Stainton, 1851)

LABURNUM LEAF MINER

spartifoliella (Hübner, 1813)

***lathyrifoliella* (Stainton, 1866)**

forma *orobi* (Stainton, 1870)

Footnote: Bond (1996) as a species.

Footnote: [*orobi*] status change, previously a valid species *vide* Mey (1994).

+ *lotella* (Stainton, 1858)

Footnote: Mere *et al.* (1964) and Chalmers-Hunt (1977b). The Irish record is not included in Emmet (1991a).

+ *malifoliella* (Costa, 1836)

PEAR LEAF BLISTER MOTH

Synonymy: *scitella* (Zeller, 1839).

Footnote: Emmet (1985b). The text refers to Co. Wexford, but this should be Co. Waterford, as shown on the distribution map (Bond, 1995).

LYONETHINAE

***LYONETIA* HÜBNER, 1825**

***clerkella* (Linnaeus, 1758)**

Synonymy: *clerckella* in Beirne (1941).

APPLE LEAF MINER

BEDELLIINAE

***BEDELLIA* STAINTON, 1849**

+ *somnulentella* (Zeller, 1847)

Footnote: Mere and Pelham-Clinton (1966); Bradley and Pelham-Clinton (1967).

GELECHIOIDEA

22. COLEOPHORIDAE

CASEBEARER MOTHS

***COLEOPHORA* HÜBNER, 1822**

+ *lutipennella* (Zeller, 1838)

Footnote: Bond (1996). All of Beirne's (1941 - in *Eupista*) records of this species, so far checked, refer to *C. flavipennella*.

***gryphipennella* (Hübner, 1796)**

Synonymy: in *Eupista* in Beirne (1941).

+ *flavipennella* (Duponchel, 1843)

Synonymy: *lutipennella* sensu Beirne (1941).

Footnote: most or all of the records of *Eupista lutipennella* Zeller in Beirne (1941) refer to this species. See Bond (1996).

***serratella* (Linnaeus, 1761)**

Synonymy: *Eupista fuscedinella* Zell. in Beirne (1941).

***spinella* (Schrank, 1802)**

APPLE AND PLUM CASE-BEARER

Synonymy: *cerasivorella* Packard, 1870.

Synonymy: *nigricella* sensu auctorum.

Footnote: Bond (1996). The records of *Eupista nigricella* Stephens in Beirne (1941) probably refer to this species, and the same applies to Barrett's (1885) record of *C. nigricella* "along hawthorn hedges".

+ *milvipennis* Zeller, 1839

Footnote: Emmet *et al.* (1996); Emmet and Langmaid (1997); Emmet in Agassiz (1998).

+ *siccifolia* Stainton, 1856

Footnote: Emmet *et al.* (1996).

+ *fuscocuprella* Herrich-Schäffer, 1885

Footnote: Bradley (1952).

+ *lusciniaepennella* (Treitschke, 1833)

Synonymy: *Eupista viminetella* Zell. in Beirne (1941).

+ *juncicolella* Stainton, 1851

Synonymy: in *Eupista* in Beirne (1941).

+ *orbitella* Zeller, 1849

Synonymy: in *Eupista* in Beirne (1941).

+ *binderella* (Kollar, 1832)

Synonymy: in *Eupista* in Beirne (1941).

+ *potentillae* Elisha, 1885

Footnote: Mere *et al.* (1964); Emmet (1971).

+ *trifolii* (Curtis, 1832)

Synonymy: *frischella* sensu auctorum.

Footnote: recorded by Bradley and Pelham-Clinton (1967). There is also one Beirne female genitalia slide of this species in NMI (checked KGMB) but as the specimens are missing, it is not known to which record the slide refers. This and the closely related species (*C. frischella* and *C. deauratella*) have been much confused in the past, and the partial absence of both the specimens and the genitalia slides has meant that most of the older records cannot be checked (Bond, 1995).

+ *frischella* (Linnaeus, 1758)

Synonymy: in *Eupista* in Beirne (1941).

Synonymy: *Eupista alcyonipennella* Koll. in Beirne (1941).

Footnote: recorded by Beirne (1941) but only one of his two remaining genitalia slides of this species is correctly labelled - the other being *C. trifolii* (q. v.). Also recorded by Bradley and Pelham-

Clinton (1967), but dissections of some of their specimens show them to be *C. deauratella*; while their record of larval cases on *Centaurea nigra* L. appears to refer to *C. paripennella* Zeller. The species was also recorded by Emmet (1971), but his record of *C. nigra* as the foodplant also indicates that *C. paripennella* is intended (Bond, 1995).

***mayrella* (Hübner, 1813)**

Synonymy: *Eupista spissicornis* Haw. in Beirne (1941).

***deauratella* Lienig and Zeller, 1846**

Synonymy: in *Eupista* in Beirne (1941).

+ *lithargyrinella* Zeller, 1849

Synonymy: *olivaceella* Stainton, 1854.

Footnote: confirmatory records in Bond (1996). Beirne (1941) had considered that Barrett's (1861b) record of this species (as *olivacella* missp.), also from the cliffs at Howth, Co. Dublin, to be doubtful pending confirmation. "The 'I' in the distribution column in Emmet (1991a) is a misprint for 'H'" (Bond, 1995).

***laricella* (Hübner, 1817)**

LARCH CASE-BEARER

Synonymy: in *Eupista* in Beirne (1941).

+ *lixella* Zeller, 1849

Footnote: Bradley and Pelham-Clinton (1967); considered doubtfully Irish by Beirne (1941).

+ *albidella* (Denis and

Schifferrmüller, 1775)

Footnote: there are two larval cases in NMI labelled "Newcastle marshes [Wicklow]", about which Beirne (1941 in *Eupista*) had written "confirmation is desirable".

The species is also recorded by Emmet (1968), and by Bradley from Boulevan, Co. Clare, ♂, 18 June 1970 (Bond, 1995).

***anatipennella* (Hübner, 1796)**

PISTOL CASE-BEARER

Synonymy: in *Eupista* in Beirne (1941).

Synonymy: *bernoulliella* auctorum.

Synonymy: *bernoulliella* (Goeze, 1783) in Bond (1995).

Footnote: Bradley (1953b).

Footnote: misidentification *vide* Emmet (1996).

+ *ibipennella* Zeller, 1849

Synonymy: *ardeaepennella* (Scott, 1861).

Footnote: Bond (1996). The nomenclature of this species and *C.*

betulella Heinemann and Wocke is discussed by Emmet (1993).

***betulella* Heinemann and Wocke, 1877**

Synonymy: *ibipenella* sensu Stainton, 1858 et auctt., nec Zeller, 1849.

Footnote: there is a specimen under *Coleophora ibipennella* Zeller from the Burren in the Bradley collection in BM(NH); also recorded by Uffen from the Burren, but this probably refers to the same specimen. See Bond (1996).

***pyrrhulipennella* Zeller, 1839**

Synonymy: in *Eupista* in Beirne (1941).

***albicosta* (Haworth, 1828)**

Synonymy: in *Eupista* in Beirne (1941).

***discordella* Zeller, 1849**

Synonymy: in *Eupista* in Beirne (1941).

+ *lassella* Staudinger, 1859

Footnote: Bradley (1952) (as *C. teidensis* Walsingham).

***striatipennella* Nylander, 1848**

Synonymy: *Eupista apicella* Stt. in Beirne (1941).

+ *follicularis* (Vallot, 1802)

Synonymy: *derivatella* Zeller.

Footnote: Bradley (1960).

Synonymy: *trogloodytella* (Duponchel).

Footnote: Bradley (1952, 1960).

+ *trochilella* (Duponchel, 1843)

Footnote: Agassiz (1982).

Bradley's (1952, 1960) record as *C. troglodytella* (Duponchel) refers to *C. follicularis* (Vallot).

+ *ramosella* Zeller, 1849

Footnote: Bradley (1960).

+ *peribenanderi* Toll, 1943

Footnote: Bradley (1960). Beirne (1945a) refers to a specimen taken which was "probably" *therinella*, but this specimen has not been traced, and the species was confused with *C. peribenanderi* at the time.

+ *paripennella* Zeller, 1839

+ *therinella* Tengström, 1848

Footnote: Bradley (1960); the record of *C. therinella* by Beirne (1945a) may refer to this species (Bond, 1995).

***asteris* Mühlig, 1864**

Footnote: Emmet *et al.* (1996).

***obscenella* Herrich-Schäffer, 1855**

Synonymy: *Eupista virgaureae* Stt. in Beirne (1941).

***saxicolella* (Duponchel, 1843)**

Synonymy: *Eupista annulatella* Tengst.
in Beirne (1941).

Synonymy: *Eupista laripennella* Zell. in
Beirne (1941).

Synonymy: *annulatella* sensu auctorum
nec Tengström, 1848.

Synonymy: *benanderi* Kanerva, 1941.

Synonym: *flavaginella* sensu Ford, 1949;
Toll, 1955; Pelham-Clinton, 1959, nec
Lienig and Zeller, 1846.

Footnote: the records of this and closely
related species have been much confused
in the past (see synonymy). However the
specimens referred to by Beirne (1941)
under the synonym *Eupista annulatella*
Tengström refer to *C. saxicolella*
(Duponchel), as do those under *C.*
flavaginella in Bradley and Pelham-
Clinton (1967) and Emmet (1968, 1971)
(Bond, 1995).

+ **sternipennella (Zetterstedt, 1839)**

Footnote: Bond (2005a)

+ **adpersella Benander, 1939**

Footnote: Bond (1981b).

+ **versurella Zeller, 1849**

Footnote: Bradley (1960); Bond (1981b).

+ **pappiferella Hofmann, 1869**

Footnote: Mere *et al.* (1962); Bond
(1992a).

+ **atriplicis Meyrick, 1928**

Footnote: Bond (1996).

+ **otidipennella (Hübner, 1817)**

Synonymy: *Eupista muripennella*
Dup. in Beirne (1941).

+ **sylvaticella Wood, 1892**

Synonymy: in *Eupista* in Beirne
(1941).

+ **taeniipennella Herrich-
Schäffer, 1855**

Synonymy: *Eupista galactaula*
Meyr. in Beirne (1941).

+ **glaucicolella Wood, 1892**

Synonymy: in *Eupista* in Beirne
(1941).

+ **tamesis Waters, 1929**

Synonymy: in *Eupista* in Beirne
(1941).

Synonymy: *cratipennella* auctorum.

Synonymy: *cratipennella* sensu
Hodges *et al.*, 1983 nec Clemens,
1864.

Footnote: Bradley (1960).

Footnote: the name *tamesis* Waters
was removed from synonymy by
Baldizzone and Landry (1993).

+ **alticolella Zeller, 1849**

Synonymy: *caespititiella* sensu
auctorum.

+ *maritimella* Newman, 1873

Footnote: Healy (1975); there are also two specimens from Greencastle, Co. Down, in the Heal collection in NMI (Bond, 1995).

+ *adjunctella* Hodgkinson, 1882

Footnote: Emmet (1970b, 1971).

caespititiella Zeller, 1839

Synonymy: in *Eupista* in Beirne (1941).

Synonymy: *Eupista agramella* Wood in Beirne (1941).

+ *salicorniae* (Heinemann and Wocke, 1876)

Footnote: Bond (2001).

23. ELACHISTIDAE

GRASS MINER MOTHS

PERITTIA STANTON, 1854

+ *obscurepunctella* (Stainton, 1848)

Footnote: Bond (1996).

ELACHISTA TREITSCHKE, 1833

regificella Sircom, 1849

Synonymy: *magnificella* Tengst. in Beirne (1941).

gleichenella (Fabricius, 1781)

Synonymy: *magnificella* (Duponchel, 1843).

poae Stainton, 1855

Footnote: this species should be indicated in area H (Leinster) in Emmet (1991a) (Bond, 1995).

atricomella Stainton, 1849

kilmunella Stainton, 1849

Footnote: this species should be indicated in area K (Ulster), not H (Leinster) in Emmet (1991a) (Bond, 1995).

alpinella Stainton, 1854

luticomella Zeller, 1839

albifrontella (Hübner, 1817)

apicipunctella Stainton, 1849

subnigrella Douglas, 1853

humilis Zeller, 1850

Synonymy: *perplexella* Stt. in Beirne (1941).

canapennella (Hübner, 1813)

Synonymy: *obscura* Stt. in Beirne (1941).

rufocinerea (Haworth, 1828)

+ *maculicerusella* Bruand, 1859

Synonymy: *cerusella* (Hübner, 1796) in Bond (1995).

Homonym.

Footnote: Mere and Pelham-Clinton (1966); there are several further

records from widely spread localities (Bond, 1995).

***argentella* (Clerck, 1759)**

Synonymy: *cygnipennella* Hübn. in Beirne (1941).

Synonymy: *Aphelosetia* Stephens, 1834 (Sub-genus).

+ *triatomea* (Haworth, 1828)

Synonymy: *Aphelosetia* Stephens, 1834 (Sub-genus).

Footnote: (Bond, 1996).

+ *subocellea* (Stephens, 1834)

Synonymy: *Aphelosetia* Stephens, 1834 (Sub-genus).

Footnote: recorded from the Burren, Co. Clare, by Mere and Pelham-Clinton (1966) and by Bradley and Pelham-Clinton (1967). Birchall (1866-67) recorded *Elachista pollinariella* from Howth, while Hodgkinson (1868) recorded *E. collitella* from the same locality. British records of *E.*

pollinariella are now considered to refer to *E. subocellea* (Stephens), while *E. collitella* (Duponchel) is considered to be a junior synonym of the same species. Beirne (1941), treating *E. pollinariella* and *E. colitella* as distinct species,

considered that the Irish records of both were doubtful. *E. subocellea* has however been recorded recently from Howth by Bond (1995).

+ *cahorsensis* Traugott-Olsen, 1992

Synonymy: *dispunctella*

(Duponchel) sensu auctorum.

Synonymy: *Aphelosetia* Stephens, 1834 (Sub-genus).

Footnote: Bond (1996). Hogan (1854) recorded *Elachista*

triseriatella from Howth, Co.

Dublin, and Beirne (1941) treated this record as referring to the very similar *Elachista dispunctella* (Duponchel) with which it had been confused, but also considered the record doubtful. According to Bland (Emmet, *in litt.*), the other Irish records of *E. dispunctella* (Bradley, 1952; Bradley and Pelham-Clinton, 1967; Heckford and Langmaid, 1991) also refer to *E. cahorsensis* (Bond, 1995).

+ *megerlella* (Hübner, 1810)

Synonymy: *Aphelosetia* Stephens, 1834 (Sub-genus).

Footnote: Bond (1996). This species was considered doubtfully Irish by Beirne (1941).

***gangabella* Zeller, 1850**

Synonymy: *taeniatella* Stt. in Beirne (1941).

Synonymy: *Aphelosetia* Stephens, 1834 (Sub-genus).

+ *subalbidella* Schläger, 1847

Synonymy: *Aphelosetia* Stephens, 1834 (Sub-genus).

Footnote: Bradley (1953a). The Irish records were considered doubtful by Beirne (1941).

+ *adscitella* Stainton, 1851

Footnote: Bland (1996).

***bisulcella* (Duponchel, 1843)**

Synonymy: *zonariella* Tengst. in Beirne (1941).

**BISELACHISTA TRAUGOTT-
OLSEN AND NIELSEN, 1977**

***trapeziella* (Stainton, 1849)**

Synonymy: in *Elachista* in Beirne (1941).

***cinereopunctella* (Haworth, 1828)**

Synonymy: in *Elachista* in Beirne (1941).

+ *serricornis* (Stainton, 1854)

Footnote: Bond (1984c).

+ *scirpi* (Stainton, 1887)

Footnote: Bond (1996); Bland (1996).

**+ *eleochariella* (Stainton,
1851)**

Footnote: Mere and Pelham-Clinton (1966); Bradley and Pelham-Clinton (1967); there is also a male in the B. P. Beirne collection in NMI, labelled "L. More, Glengarriff, 17.vii.47" (Co. Cork) (genitalia specimen checked, KGMB) (Bond, 1995).

***utonella* (Frey, 1856)**

Synonymy: *Elachista paludum* Frey in Beirne (1941).

***albidella* (Nylander, 1848)**

Synonymy: *Elachista rhynchosporiella* Stt. in Beirne (1941).

COSMIOTES CLEMENS, 1860

+ *freyerella* (Hübner, 1825)

Footnote: Mere *et al.* (1964) (as *Elachista nigrella* (Haworth)). Beirne's (1941) records of "*Elachista consortella* Stt." refer to both *Cosmiotes freyerella* and *C. consortella*, which were at that time

not recognised as distinct species (see Bradley (1952)) (Bond, 1995).

Footnote: *nigrella* (Hübner, 1805), homonym.

+ *consortella* (Stainton, 1851)

Synonymy: *Elachista exiguella* (Frey, 1855).

Footnote: Bradley (1952).

24. OECOPHORIDAE

CONCEALER MOTHS

OECOPHORINAE

DENISIA HÜBNER, 1825

Synonymy: *Chambersia* Riley, 1891.

similella (Hübner, 1796)

Synonymy: in *Borkhausenia* in Beirne (1941).

Footnote: new placement. Previously in *Schiffermulleriella* Hübner, 1825.

BATIA STEPHENS, 1834

lambdella (Donovan, 1793)

BORKHAUSENIA HÜBNER, 1825

fuscescens (Haworth, 1828)

minutella (Linnaeus, 1758)

HOFMANNOPHILA SPULER, 1910

pseudopretella (Stainton, 1849)

BROWN HOUSE-MOTH

LEAMHAN TÍ DONN

Synonymy: *Borkhausenia pseudopretella* in Beirne (1941).

ENDROSIS HÜBNER, 1825

sarcitrella (Linnaeus, 1758)

WHITE-SHOULDERED HOUSE-MOTH

LEAMHAN TÍ CEANNBHÁN

Synonymy: *lactella* Schiff. in Beirne (1941).

ESPERIA HÜBNER, 1825

Synonymy: *Dasycera* Stephens 1829.

sulphurella (Fabricius, 1775)

ALABONIA HÜBNER, 1825

Synonymy: *Enicostoma* Stephens, 1829.

geoffrella (Linnaeus, 1767)

Synonymy: in *Oecophora* in Beirne (1941).

PHILOBOTINAE

PLEUROTA HÜBNER, 1825

bicostella (Clerck, 1759)

HYPERCALLIINAE

HYPERCALLIA STEPHENS, 1829

citrinalis (Scopoli, 1763)

CARCININAE

Status: considered a family by some authors.

CARCINA HÜBNER, 1825

quercana (Fabricius, 1775)

PSEUDATEMELIA REBEL, 1910

Synonymy: *Tubuliferola* Strand, 1917.

josephinae (Toll, 1956)

Synonymy: *Borkenhausia flavifrontella* Hübn. (sic) in Beirne (1941).

Footnote: in *Tubuliferodes* Toll, 1956 in recent Continental literature.

Footnote: Bradley (1952); Chalmers-Hunt (1982).

CHIMBACHINAE

DIURNEA HAWORTH, 1811

Synonymy: *Chimbache* Hübner, 1825.

Synonymy: *Cheimophila* Hübner, 1825.

fagella (Denis and Schiffermüller, 1775)

lipsiella (Denis and Schiffermüller, 1775)

Synonymy: *phryganella* Hübn. in Beirne (1941).

DASYSTOMA CURTIS 1833

salicella (Hübner, 1796)

Footnote: new placement. Previously in *Cheimophila* Hübner, 1825 and under this name in Beirne (1941).

DEPRESSARIINAE

DEPRESSARIA HAWORTH, 1811

daucella (Denis and

Schiffermüller, 1775)

Synonymy: *nervosa* Haw. in Beirne (1941).

+ *ultimella* Stainton, 1849

Footnote: Bond (1996); “doubtful” in Beirne (1941).

pastinacella (Duponchel, 1838)

PARSNIP MOTH

Synonymy: *heraclei* Retzius, 1783
nomen dubium.

Synonymy: *heracliana* Linn. in Beirne (1941) and auctt.

badiella (Hübner, 1796)

+ *pulcherrimella* Stainton, 1849

Footnote: Bradley and Pelham-Clinton (1967). In addition, there is a specimen in NMI labelled “Errislannan” and “Cusack” (Bond, 1995).

douglasella Stainton, 1849

Synonymy: *douglasiella* in Beirne (1941).

EXAERETIA STAINTON, 1849

allisella Stainton, 1849

AGONOPTERIX HÜBNER, 1825

heracliana (Linnaeus, 1758)

Synonymy: *applanata* Fab. in Beirne (1941).

***ciliella* (Stainton, 1849)**

***purpurea* (Haworth, 1811)**

***subpropinquella* (Stainton, 1849)**

***nanatella* (Stainton, 1849)**

Footnote: Beirne (1941) considers that the two Irish records are probably correct but states "confirmation is desirable".

Accepted as Irish in Emmet (1991a).

***alstromeriana* (Clerck, 1759)**

Footnote: *alstroemeriana* in Beirne (1941).

***propinquella* (Treitschke, 1835)**

***arenella* (Denis and Schiffermüller, 1775)**

***kaekeritziana* (Linnaeus, 1767)**

Synonymy: *litorella* Schiff. in Beirne (1941).

***pallorella* (Zeller, 1839)**

***ocellana* (Fabricius, 1775)**

***assimilella* (Treischke, 1832)**

***umbellana* (Fabricius, 1794)**

Synonymy: *ulicetella* Stt. (*umbellana* Steph. auctt.) in Beirne (1941).

Footnote: listed as *ulicetella* (Stainton, 1949) (*umbellana* sensu auctorum) in Bond (1996).

***nervosa* (Haworth, 1811)**

Synonymy: *costosa* Haw. in Beirne (1941).

+ *liturosa* (Haworth, 1811)

Synonymy: *hypericella* sensu auctorum.

Footnote: Classey and Goater (1951); Bradley and Pelham-Clinton (1967). The specimen referred to in Beirne (1941) (as *hypericella*) was not found in the Murray collection in Trinity College, Dublin (Bond, 1995).

***conterminella* (Zeller, 1839)**

+ *astrantiae* (Heinemann, 1870)

Footnote: Harper (1993).

***angelicella* (Hübner, 1813)**

***yeatiana* (Fabricius, 1781)**

+ *capreolella* (Zeller, 1839)

Footnote: Beirne (1941) indicated that the only Irish specimen he had seen was a very worn specimen from Armagh, which he considered could have been misidentified.

There are confirmed records from the Burren, Co. Clare (Bradley, 1953b) and south-east Galway (Heckford and Langmaid, 1991).

***rotundella* (Douglas, 1846)**

25. GELECHIIDAE

TWIRLER MOTHS

ANOMOLOGINAE

METZNERIA ZELLER, 1839

+ *aestivella* (Zeller, 1839)

Footnote: Bond (1999a).

+ *metzneriella* (Stainton, 1851)

Footnote: Bradley (1953b). Beirne (1941) considered that the Irish status of this species required confirmation.

EULAMPROTES BRADLEY, 1971

+ *atrella* (Denis and Schiffermüller, 1775)

Footnote: Bradley (1952). Hogan's (1855) record was considered to be in need of confirmation by Beirne (1941).

+ *immaculatella* (Douglas, 1850)

Footnote: Heckford and Langmaid (1988).

Synonymy: *phaeella* (Heckford and Langmaid, 1988) in Bond (1995).

+ *unicolorella* (Duponchel, 1843)

Footnote: Mere *et al.* (1964).

+ *wilkella* (Linnaeus, 1758)

Synonymy: *Aristotelia pictella* Zell. in Beirne (1941).

MONOCHROA HEINEMANN, 1870

Synonymy: *Paltodora* Meyrick, 1894.

+ *cytisella* (Curtis, 1837)

Synonymy: in *Paltodora* in Beirne (1941).

+ *tenebrella* (Hübner, 1817)

Synonymy: in *Aristotelia* in Beirne (1941).

+ *lucidella* (Stephens, 1834)

Footnote: Bradley (1953b).

+ *suffusella* (Douglas, 1850)

Footnote: Bond (1996).

+ *lutulentella* (Zeller, 1839)

Footnote: Mere *et al.* (1964).

CHRYSOESTHIA HÜBNER, 1825

+ *drurella* (Fabricius, 1775)

Synonymy: in *Cosmopterix* Hübner, 1825.

Footnote: specimen taken on the edge of Derreen Woods, Lauragh, Co. Kerry, in 1977. Identification confirmed by J. D. Bradley (Chalmers-Hunt, 1977a).

+ *sexguttella* (Thunberg, 1794)

Synonymy: *Aristotelia stipella* Hübn. in Beirne (1941).

Footnote: Bradley and Pelham-Clinton (1967). The earlier Irish records were considered doubtful by Beirne (1941).

PTOCHEUUSA HEINEMANN, 1870

+ *paupella* (Zeller, 1847)

Footnote: Agassiz (1977).

ARISTOTELIA HÜBNER, 1825

+ *subdecurtella* (Stainton, 1859)

Footnote: Bland *et al.* (2002).

+ *ericinella* (Zeller, 1839)

Footnote: Bond (1984c).

BRYOTROPHA HEINEMANN, 1870

+ *affinis* (Haworth, 1828)

Footnote: Bland *et al.* (2002).

+ *umbrosella* (Zeller, 1839)

Synonymy: *mundella* Dougl. in Beirne

(1941), *mundella* Douglas, 1850 *vide*

Rutten and Karsholt (1998).

Footnote: in Bond (1995) *mundella* and *umbrosella* are given as separate species.

+ *similis* (Stainton, 1854)

Footnote: Bond (1996).

+ *senectella* (Zeller, 1839)

Footnote: Mere and Pelham-Clinton

(1966). This species was considered

doubtfully Irish by Beirne (1941).

+ *desertella* (Douglas, 1850)

+ *terrella* (Denis and Schiffermüller, 1775)

+ *politella* (Stainton, 1851)

+ *domestica* (Haworth, 1828)

GELECHIINAE

STENOLECHIA MEYRICK, 1894

+ *gemmella* (Linnaeus, 1758)

Footnote: (Bond, 1996).

EXOTELEIA WALLENGREN, 1881

+ *dodecella* (Linnaeus, 1758)

Footnote: Bond (1981b). This

species was considered doubtfully

Irish by Beirne (1941).

ATHRIPS BILLBERG, 1820

+ *tetrapunctella* (Thunberg, 1794)

Footnote: Bond (1996).

+ *mouffetella* (Linnaeus, 1758)

Synonymy: in *Epithectis* in Beirne (1941).

Footnote: Bradley and Pelham-

Clinton (1967). This species was

considered doubtfully Irish by

Beirne (1941).

XENOLECHIA MEYRICK, 1895

+ *aethiops* (Humphreys and Westwood, 1845)

Footnote: Bond (1996).

PSEUDOTELPHUSA JANSE, 1958

+ *paripunctella* (Thunberg, 1794)

Synonymy: *triparella* (Zeller, 1839).

Synonymy: *Telephusa triparella* Zell. in Beirne (1941).

Footnote: Emmet (1968); also recorded by Bradley:- several, Ballyeighter, Co. Clare, June 1970. There is a specimen in the Heal collection in NMI, previously placed under *Teleiopsis diffinis* (Haworth), labelled "H910610 [Church Hill, Armagh], 24.v.1967". Specimens under this name in the BM(NH) Burren Collection are probably *T. waggae* (Nowicki) (Bond, 1995). This species was considered doubtfully Irish by Beirne (1941).

TELEIODES SATTTLER, 1960

Synonymy: *Teleia* Heinemann, 1870.

Homonym.

***vulgella* (Denis and Schiffermüller, 1775)**

Synonymy: in *Telephusa* in Beirne (1941). The authority is given as Hubn.

+ ***waggae* (Nowicki, 1860)**

Footnote: Sattler (1980). Records of *Teleiodes notatella* (Hübner) in Bradley and Pelham-Clinton (1967) refer to this species.

CARPATOLECHIA CĂPUȘE, 1964

***decurella* (Haworth, 1812)**

Synonymy: *Telephusa humeralis* Zell. in Beirne (1941).

Footnote: new placement.

Previously in *Teleiodes* Sattler, 1960.

+ ***notatella* (Hübner, 1813)**

Footnote: new placement.

Previously in *Teleiodes* Sattler, 1960.

Footnote: Bradley and Pelham-Clinton (1967); Emmet (1971).

***proximella* (Hübner, 1796)**

Footnote: in *Telephusa* in Beirne (1941).

Footnote: new placement.

Previously in *Teleiodes* Sattler, 1960.

***fugitivella* (Zeller, 1839)**

Synonymy: in *Telephusa* in Beirne (1941).

Footnote: new placement.

Previously in *Teleiodes* Sattler, 1960.

TELEIOPSIS SATTTLER, 1960

***diffinis* (Haworth, 1828)**

Synonymy: in *Gelechia* in Beirne (1941).

CHIONODES HÜBNER, 1825

+ ***fumatella* (Douglas, 1850)**

Footnote: Bond (1981b).

+ *distinctella* (Zeller, 1839)

Footnote: Bond (1996).

MIRIFICARMA GOZMÁNY, 1955

mulinella (Zeller, 1839)

Synonymy: in *Gelechia* in Beirne (1941).

PROLITA LERAUT, 1993

Synonymy: *Lita* Treitschke, 1833.

Homonym.

+ *sexpunctella* (Fabricius, 1794)

Synonymy: *virgella* (Thunberg, 1794).

Footnote: Dowling (1979).

GELECHIA HÜBNER, 1825

rhombella (Denis and

Schifferrmüller, 1775)

sororculella (Hübner, 1817)

SCROBIPALPA JANSE, 1951

Synonymy: *Ilseopsis* Povolný, 1965.

samadensis (Pfaffenzeller, 1870)

ssp. plantaginella (Stainton, 1883)

Synonymy: *Phthorimaea plantaginella* Stt. in Beirne (1941).

Footnote: the nominate subspecies

samadensis (Pfaffenzeller, 1870)

occurs in Continental Europe,

plantaginella may simply be a coastal ecotype.

instabilella (Douglas, 1846)

Synonymy: in *Phthorimaea* in

Beirne (1941).

+ *ocellatella* (Boyd, 1858)

BEET MOTH

Footnote: Bond (1996).

+ *nitentella* (Fuchs, 1902)

Footnote: Bond (1996).

+ *obsoletella* (Fischer von Röslerstamm, 1841)

Synonymy: in *Phthorimaea* in Beirne (1941).

Footnote: Bond (1996). The records given by Beirne (1941) are based on mis-determinations.

+ *atriplicella* (Fischer von Röslerstamm, 1841)

Footnote: two specimens in NMI previously placed under

Scrobipalpa obsoletella (Fischer von Röslerstamm) (*q. v.*) have been determined as this species (Karsholt *in litt.*, 1990). The abdomens are missing, but no genitalia slides have been traced (Bond, 1995).

costella (Humphreys and Westwood, 1845)

Synonymy: in *Phthorimaea* in Beirne (1941).

artemisiella (Treitschke, 1833)

THYME MOTH

Synonymy: in *Phthorimaea* in Beirne (1941).

+ *murinella* (Duponchel, 1843)

Footnote: Mere *et al.* (1964).

+ *acuminatella* (Sircom, 1850)

Footnote: Mere *et al.* (1964). This record is however omitted by Bradley and Pelham-Clinton (1967). In the Pelham-Clinton Irish Collection in NMS, there is one specimen, labelled: "Ballyvaghan, Clare, 12 Jun 1962 ECPC No. 19588", while in the Pelham-Clinton diary, p. 5615, there is an entry of "1 *Phthorimaea acuminatella*" from Doughbranneen on 12 June 1962, which presumably applies to the same specimen (M. Shaw, pers. comm.). The species has also been recorded from O'Donnell's Rock, G881355, Co. Leitrim, 20 May 1993 (Bond, 1995).

**CARYOCOLUM GREGOR AND
POVOLNÝ, 1954**

vicinella (Douglas, 1851)

Synonymy: *Phthorimaea leucomelanella* Zell. in Beirne (1941).

+ *alsinella* (Zeller, 1868) ssp.

semidecandrella (Threlfall, 1887)

Synonymy: *semidecandrella* (Threlfall, 1887).

Footnote: Emmet (1968).

+ *viscariella* (Stainton, 1855)

Footnote: Bradley and Pelham-Clinton (1967).

marmoreum (Haworth, 1828)

Synonymy: in *Phthorimaea* in Beirne (1941).

fraternella (Douglas, 1851)

Synonymy: in *Phthorimaea* in Beirne (1941).

blandella (Douglas, 1852)

Synonymy: *Phthorimaea maculea* Haw. in Beirne (1941).

tricolorella (Haworth, 1812)

Synonymy: in *Phthorimaea* in Beirne (1941).

ANACAMPSINAE

***APROAEREMA* DURRANT,
1897**

Synonymy: *Aproneura* Durrant, 1897.

anthyllidella (Hübner, 1813)

Synonymy: in *Stomopteryx* in Beirne (1941).

***SYNCOPACMA* MEYRICK, 1925**

sangiella (Stainton, 1863)

Synonymy: in *Stomopteryx* in Beirne (1941).

+ *taeniolella* (Zeller, 1839)

Synonymy: in *Stomopteryx* in Beirne (1941).

Footnote: although the Irish status of this species was accepted by Beirne (1941), he later considered that it “might be bracketed as doubtful” (Beirne, 1942).

There is a Beirne specimen in NMI from Bray Head, Co. Wicklow, 1944 (genitalia checked KGMB); this is probably the specimen referred to under *Stomopteryx vorticella* in Beirne (1945a) (Bond, 1995). The species has also been recorded by Bradley (1953b).

cinctella (Clerck, 1759)

Synonymy: *Stomopteryx vorticella* Scop. in Beirne (1941).

ANACAMPSIS CURTIS, 1827

temerella (Lienig and Zeller, 1846)

Synonymy: in *Compsolechia* in Beirne (1941).

populella (Clerck, 1759)

CHELARIINAE

NEOFACULTA GOZMÁNY, 1955

ericetella (Geyer, 1832)

Synonymy: *Gelechia betulea* Haw. in Beirne (1941).

ANARSIA ZELLER, 1839

spartiella (Schrank, 1802)

Synonymy: in *Anarstia* in Beirne (1941).

HYPATIMA HÜBNER, 1825

rhomboidella (Linnaeus, 1758)

Synonymy: *conscriptella* Hübn. in Beirne (1941).

DICHOMERIDINAE

ACOMPSIA HÜBNER, 1825

cinerella (Clerck, 1759)

DICHOMERIS HÜBNER, 1825

Synonymy: *Acanthophila*

Heinemann, 1870.

+ *marginella* (Fabricius, 1781)

JUNIPER WEBBER

Footnote: Agassiz (1982). The date of capture should read “11.viii.1977” (Bond, 1995).

HELCYSTOGRAMMA ZELLER, 1877

rufescens (Haworth, 1828)

Synonymy: in *Brachmia* in Beirne (1941).

Footnote: previously placed in *Brachmia* Hübner, 1825.

26. AUTOSTICHIDAE

SCAVENGER MOTHS

OEGOCONIINAE

OEGOCONIA STANTON, 1854

quadripuncta (Haworth, 1828)
+ *deauratella* (Herrich-Schäffer,
1854)

Footnote: Bland (2002).

27. BLASTOBASIDAE

SCAVENGER MOTHS

BLASTOBASIS ZELLER, 1855

lignea Walsingham, 1894

28. BATRACHEDRIDAE

FROG CASEBEARER MOTHS

BATRACHEDRA HERRICH-SCHÄFFER, 1853

praeangusta (Haworth, 1828)

29. MOMPHIDAE

MOMPHA MOTHS

MOMPHA HÜBNER, 1825

+ *langiella* (Hübner, 1796)

Footnote: Bond (1996). Considered doubtful by Beirne (1941).

+ *terminella* (Humphreys and Westwood, 1845)

Footnote: Emmet and Langmaid (1997, 2002).

locupletella (Denis and

Schifferrmüller, 1775)

Synonymy: *schrunkella* (Hübner, 1805).

+ *raschkiella* (Zeller, 1839)

Footnote: Mere *et al.* (1964).

ochraceella (Curtis, 1839)

propinquella (Stainton, 1851)

+ *subbistrigella* (Haworth, 1828)

Footnote: Bond (1981b).

Considered doubtful by Beirne (1941).

+ *epilobiella* (Denis and Schifferrmüller, 1775)

Synonymy: *fulvescens* Haw. *in* Beirne (1941).

Footnote: Emmet (1971).

Considered in need of confirmation by Beirne (1941).

30. COSMOPTERIGIDAE

COSMET MOTHS

COSMOPTERIGINAE

COSMOPTERIX HÜBNER, 1825

Synonymy: *Cosmopterix* Zeller, 1839.

+ *orichalcea* Stainton, 1861

Footnote: Chalmers-Hunt (1977b).

Footnote: new placement. Previously in
Pancalia Stephens, 1829.

+ *lienigiella* Lienig and Zeller, 1846

Footnote: Bond (1991b).

Footnote: new placement. Previously in
Pancalia Stephens, 1829.

LIMNAECIA STAINTON, 1851

phragmitella Stainton, 1851

Footnote: *phragmittella* in Beirne
(1941).

ANTEQUERINAE

PANCALIA STEPHENS, 1829

leuwenhoekella (Linnaeus, 1761)

schwarzella (Fabricius, 1798)

Synonymy: *latreillella* Curt. in Beirne
(1941).

BLASTODACNINAE

Footnote: sometimes placed in the family
Agonoxenidae.

SPULERIA HOFMANN, 1898

flavicaput (Haworth, 1828)

BLASTODACNA WOCKE, 1876

+ *hellerella* (Duponchel, 1838)

Footnote: Bradley and Pelham-Clinton
(1967). This record is not indicated in
Emmet (1991a).

atra (Howarth, 1828)

APPLE PITH MOTH

CHRYSOPELEIINAE

SORHAGENIA SPULER, 1910

+ *lophyrella* (Douglas, 1846)

Footnote: Bond (1996). Beirne
(1941) recorded *Sorhagenia*
rhamniella (Zeller, 1839) (as
Walshia) from Co. Kerry but at that
time the differences between that
species, *S. lophyrella* (Douglas,
1846) and *S. janiszewskae* Riedl,
1962 were not recognized. See
Bradley (1963). No Beirne
specimens have been traced.

31. SCYTHRIDIDAE

FLOWER MOTHS

SCYTHRIS HÜBNER, 1825

grandipennis (Haworth, 1828)

+ *picaepennis* (Haworth, 1828)

Footnote: Bradley and Pelham-
Clinton (1967).

TORTRICOIDEA

32. TORTRICIDAE

LEAFROLLER MOTHS

TORTRICINAE

PHTHEOCHROA STEPHENS, 1829

Synonymy: *Hysterosia* Stephens,
1852.

***inopiana* (Haworth, 1811)**

Synonymy: in *Idiographis* in Beirne (1941).

+ *sodaliana* (Haworth, 1811)

Footnote: Bond (1996).

***HYSTEROPHORA* OBRAZTSOV,
1944**

***maculosana* (Haworth, 1811)**

Synonymy: in *Phtheocroa* in Beirne (1941).

***PHALONIDIA* LE MARCHAND,
1933**

+ *manniana* (Fischer von

Röslerstamm, 1839)

Footnote: Bond (1996).

+ *affinitana* (Douglas, 1846)

Footnote: Bradley *et al.* (1973); Healy (1975). Several, Ballynalackan coast road, Co. Clare, June 1970 (Bond, 1995).

***GYNNIDOMORPHA* TURNER, 1916**

+ *minimana* (Caradja, 1916)

Footnote: new placement. Previously in *Piercea* Filipjev, 1940.

Footnote: Bond (1996).

***permixtana* (Denis and**

Schifferrmüller, 1775)

Synonymy: *Phalonia mussehlana* Tr. in Beirne (1941).

Footnote: new placement.

Previously in *Piercea* Filipjev, 1940.

**+ *vectisana* (Humphreys and
Westwood, 1845)**

Footnote: new placement.

Previously in *Piercea* Filipjev, 1940.

Footnote: Emmet (1971).

+ *alismana* (Ragonot, 1883)

Footnote: new placement.

Previously in *Piercea* Filipjev, 1940.

Footnote: Bond (1996).

COCHYLIMORPHA

RAZOWSKI, 1959

Synonymy: *Stenodes* Guenée, 1845.

***straminea* (Haworth, 1811)**

Synonymy: in *Euxanthia* in Beirne (1941).

***AGAPETA* HÜBNER, 1822**

***hamana* (Linnaeus, 1758)**

Synonymy: in *Euxanthia* in Beirne (1941).

***zoegana* (Linnaeus, 1767)**

Synonymy: in *Euxanthia* in Beirne (1941).

***AETHES* BILLBERG, 1820**

***piercei* Obraztsov, 1952**

Synonymy: *Chilodonia hartmanniana*
Clerck in Beirne (1941).

***cnicana* (Westwood, 1854)**

Synonymy: in *Phalonia* in Beirne
(1941).

***rubigana* (Treitschke, 1830)**

Synonymy: in *Phalonia* in Beirne
(1941).

***francillana* (Fabricius, 1794)**

Synonymy: in *Lozopera* in Beirne
(1941).

***EUPOECILIA* STEPHENS, 1829**

***angustana* (Hübner, 1799)**

Synonymy: in *Euxanthia* in Beirne
(1941).

***COCHYLIDIA* OBRAZTSOV, 1956**

+ *rupicola* (Curtis, 1834)

Footnote: Mere *et al.* (1964). Chalmers-
Hunt (1982) refers to a specimen in the
main collection at NMI.

***FALSEUNCARIA* OBRAZTSOV AND
SWATSCHEK, 1958**

***ruficiliana* (Haworth, 1811)**

Synonymy: *Phalonia ciliella* Hübn. in
Beirne (1941).

Footnote: Beirne (1942) writes “ the
name *permixtana* Schiff. 1775 has
priority over *ciliella* Hübn., 1796”, but
the valid name for this species is

ruficiliana (Haworth), and
permixtana (Denis and
Schiffermüller) (*q. v.*) is a separate
species.

***COCHYLIS* TREITSCHKE, 1829**

**+ *flaviciliana* (Westwood,
1854)**

Footnote: Bond (1979).

***dubitana* (Hübner, 1799)**

Synonymy: in *Phalonia* in Beirne
(1941).

***atricapitana* (Stephens, 1852)**

Synonymy: in *Phalonia* in Beirne
(1941).

***pallidana* Zeller, 1847**

Synonymy: in *Phalonia* in Beirne
(1941).

***nana* (Haworth, 1811)**

Synonymy: in *Phalonia* in Beirne
(1941).

***PANDEMIS* HÜBNER, 1825**

***corylana* (Fabricius, 1794)**

CHEQUERED FRUIT-TREE

TORTRIX

***cerasana* (Hübner, 1786)**

BARRED FRUIT-TREE

TORTRIX

Synonymy: *cerastana* (misspelling)
in Beirne (1941).

Synonymy: *ribeana* (Hübner, 1799)

heparana (Denis and
Schifferrmüller, 1775)

DARK FRUIT-TREE TORTRIX

ARGYROTAENIA STEPHENS, 1852

ljungiana (Thunberg, 1797)

Synonymy: *Eulia pulchellana* Haw. in
Beirne (1941).

ARCHIPS HÜBNER, 1822

podana (Scopoli, 1763)

LARGE FRUIT-TREE TORTRIX

Synonymy: *Cacoecia oporana* sensu
Beirne (1941) nec *oporana* (Linnaeus,
1758).

crataegana (Hübner, 1799)

BROWN OAK TORTRIX

Synonymy: in *Cacoecia* in Beirne
(1941).

xylosteara (Linnaeus, 1758)

VARIEGATED GOLDEN TORTRIX

Synonymy: in *Cacoecia* in Beirne
(1941).

rosana (Linnaeus, 1758)

ROSE TORTRIX

Synonymy: in *Cacoecia* in Beirne
(1941).

CHORISTONEURA LEDERER, 1859

hebenstreitella (Müller, 1764)

Synonymy: in *Cacoecia* in Beirne
(1941).

CACOECEIMORPHA

OBRAZTSOV, 1954

+ *pronubana* (Hübner, 1799)

CARNATION TORTRIX

Footnote: Bond (1988); Bond and
Good (1989); O'Connor and Bond
(2005).

SYNDEMIS HÜBNER, 1825

musculana musculana

(Hübner, 1799)

Synonymy: in *Tortrix* in Beirne
(1941).

Footnote: there are two sub-species
in the British Isles viz. the nominate
and *musculinana* (Kennel, 1899)
from Orkney, Shetland and the
Outer Hebrides.

APHELIA HÜBNER, 1825

viburnana (Denis and
Schifferrmüller, 1775)

BILBERRY TORTRIX

Synonymy: in *Tortrix* in Beirne
(1941).

paleana (Hübner, 1793)

TIMOTHY TORTRIX

Synonymy: in *Tortrix* in Beirne
(1941).

+ *unitana* (Hübner, 1799)

Footnote: Bradley *et al.* (1973); Mere *et al.* (1964).

CLEPSIS GUENÉE, 1845

senecionana (Hübner, 1819)

Synonymy: *Tortrix rusticana* Tr. in Beirne (1941).

+ *urina* (Linnaeus, 1758)

Footnote: Bradley *et al.* (1973). The species was also recorded by Heckford and Langmaid (1991). Emmet reports two specimens from Ballyeighter Wood, Co. Clare, 10 July 1973 (Bond, 1995).

spectrana (Treitschke, 1830)

CYCLAMEN TORTRIX

Synonymy: *Tortrix costana* Fab. in Beirne (1941).

consimilana (Hübner, 1817)

Synonymy: in *Tortrix* in Beirne (1941).

EPIPHYAS TURNER, 1927

+ *postvittana* (Walker, 1863)

LIGHT-BROWN APPLE MOTH

Footnote: Bond (1998b).

Naturalised adventive, believed imported with apples; polyphagous in Britain.

From Australia and Tasmania.

Introduced into Europe, North America, Hawaii, New Zealand and New Caledonia.

PTYCHOLOMA STEPHENS, 1829

lecheana (Linnaeus, 1758)

Synonymy: in *Cacoecia* in Beirne (1941).

LOZOTAENIA STEPHENS, 1829

forsterana (Fabricius, 1781)

Synonymy: in *Tortrix* in Beirne (1941).

EPAGOGE HÜBNER, 1825

grotiana (Fabricius, 1781)

CAPUA STEPHENS, 1834

vulgana (Frölich, 1828)

Synonymy: in *Epagoce* in Beirne (1941).

Synonymy: *favillaceana* (Hübner, 1817).

PHILEDONE HÜBNER, 1825

gerningana (Denis and Schiffermüller, 1775)

PHILEDONIDES OBRAZTSOV, 1954

lunana (Thunberg, 1784)

Synonymy: *Philedone prodromana* Hübn. in Beirne (1941).

DITULA STEPHENS, 1829

angustiorana (Haworth, 1811)

RED-BARRED TORTRIX

PSEUDARGYROTOZA

OBRAZTSOV, 1954

conwagana (Fabricius, 1775)

Synonymy: in *Argyrotoxa conwayana*
Fab. in Beirne (1941).

EULIA HÜBNER, 1825

ministrana (Linnaeus, 1758)

CNEPHASIA CURTIS, 1826

longana (Haworth, 1811)

conspersana Douglas, 1846

stephensiana (Doubleday, 1849)

GREY TORTRIX

Synonymy: *Cnephasia chrysanthæana*
Dup. in Beirne (1941).

stephensiana forma octomaculana
Curtis, 1850

Synonymy: *Cnephasia octomaculana*
Haw. in Beirne (1941).

Footnote: probable ecotype. Northern
calcareous districts.

asseclana (Denis and
Schifferrmüller, 1775)

FLAX TORTRIX

Synonymy: *Cnephasia virgaureana* Tr.
in Beirne (1941).

incertana (Treitschke, 1835)

LIGHT GREY TORTRIX

Synonymy: in *Cnephasia* in Beirne

(1941).

TORTRICODES GUENÉE, 1845

alternella (Denis and

Schifferrmüller, 1775)

Synonymy: *Oxypteron tortricella*
Hübner. in Beirne (1941).

EANA BILLBERG, 1820

osseana (Scopoli, 1763)

Synonymy: in *Cnephasia* in Beirne
(1941).

penziana bellana (Curtis,
1826)

Synonymy: *Cnephasia bellana*
Curt. in Beirne (1941).

Footnote: a specimen in the NMI
collections from Howth, Co.

Dublin, belongs to this form; the
others Irish specimens checked are
ssp. *colquhounana* (Barrett, 1884)
(Bond, 1995).

Footnote: nominate only in
Continental Europe, *bellana* may be
a montane ecotype or forma.

penziana colquhounana
(Barrett, 1884)

Synonymy: *Cnephasia*
colquhounana Barr. in Beirne
(1941).

Footnote: nominate only in Continental Europe, *colquhounana* may be a coastal ecotype or forma.

ALEIMMA HÜBNER, 1825

***loeflingiana* (Linnaeus, 1758)**

Synonymy: in *Tortrix* in Beirne (1941).

TORTRIX LINNAEUS, 1758

***viridana* (Linnaeus, 1758)**

GREEN OAK TORTRIX

ACLERIS HÜBNER, 1825

Synonymy: *Croesia* Hübner, 1825.

***bergmanniana* (Linnaeus, 1758)**

Synonymy: in *Argyrotoxa* in Beirne (1941).

+ *forsskaleana* (Linnaeus, 1758)

Synonymy: *forskaleana* in Bond (1981a).

Footnote: Bond (1981a). Considered doubtfully Irish by Beirne (1941).

Introduced.

***holmiana* (Linnaeus, 1758)**

Synonymy: in *Peronea* in Beirne (1941).

***laterana* (Fabricius, 1794)**

Synonymy: *Peronea latifasciana* Haw. in Beirne (1941).

***comariana* (Lienig and Zeller, 1846)**

STRAWBERRY TORTRIX

Synonymy: in *Peronea* in Beirne (1941).

***caledoniana* (Stephens, 1852)**

Synonymy: in *Peronea* in Beirne (1941).

***sparsana* (Denis and Schiffermüller, 1775)**

Synonymy: in *Peronea* in Beirne (1941).

***rhombana* (Denis and Schiffermüller, 1775)**

RHOMBOID TORTRIX

Synonymy: in *Peronea* in Beirne (1941).

***aspersana* (Hübner, 1817)**

Synonymy: in *Peronea* in Beirne (1941).

***ferrugana* (Denis and Schiffermüller, 1775)**

Synonymy: in *Peronea* in Beirne (1941).

Synonymy: also *Peronea fissurana* Pierce in Beirne (1941).

Synonymy: *Peronea ferrugana* Tr. in Beirne (1941).

***schalleriana* (Linnaeus, 1761)**

Synonymy: in *Peronea* in Beirne (1941).

***variegana* (Denis and Schiffermüller, 1775)**

GARDEN ROSE TORTRIX

Synonymy: in *Peronea* in Beirne (1941).

***permutana* (Duponchel, 1836)**

Synonymy: in *Peronea* in Beirne (1941).

***hastiana* (Linnaeus, 1758)**

Synonymy: in *Peronea* in Beirne (1941).

***cristana* (Denis and Schiffermüller, 1775)**

Synonymy: in *Peronea* (authority incorrectly given as Fab.) in Beirne (1941).

***hyemana* (Haworth, 1811)**

Synonymy: *Peronea mixtana* Hübn. in Beirne (1941).

+ *rufana* (Denis and Schiffermüller, 1775)

Synonymy: in *Peronea* in Beirne (1941).

Footnote: confirmed by Beirne (1942).

***literana* (Linnaeus, 1758)**

Synonymy: in *Peronea* in Beirne (1941).

***emargana* (Fabricius, 1775)**

Synonymy: in *Peronea* in Beirne (1941).

CHILIDANOTINAE

OLINDIA GUENÉE, 1845

***schumacherana* (Fabricius, 1787)**

Synonymy: *ulmana* Hübn. in Beirne (1941).

OLETHREUTINAE

CELYPHA HÜBNER, 1825

***striana* (Denis and**

Schiffermüller, 1775)

Synonymy: in *Argyroploce* in Beirne (1941).

+ *rosaceana* (Schläger, 1847)

Footnote: Beirne (1945a).

***cespitana* (Hübner, 1817)**

Synonymy: in *Argyroploce* in Beirne (1941).

***lacunana* (Denis and**

Schiffermüller, 1775)

Synonymy: in *Argyroploce* in Beirne (1941).

Footnote: new placement.

Previously in *Olethreutes* Hübner, 1822.

***rivulana* (Scopoli, 1763)**

Synonymy: in *Argyroploce* in Beirne (1941).

Footnote: new placement.

Previously in *Olethreutes* Hübner, 1822.

***aurofasciana* (Haworth, 1811)**

Synonymy: in *Argyroploce* in Beirne (1941).

OLETHREUTES HÜBNER, 1822

***arcuella* (Clerck, 1759)**

Synonymy: in *Argyroploce* in Beirne (1941).

**+ *mygindiana* (Denis and
Schiffermüller, 1775)**

Synonymy: *Stictea* Guenée, 1845 (Sub-genus).

Footnote: Mere *et al.* (1962)
(*mygindana*); Bradley and Pelham-
Clinton (1967).

+ *arbutella* (Linnaeus, 1758)

Synonymy: *Argyroploce* Hübner, 1825
(Sub-genus).

Footnote: Mere *et al.* (1962); Bradley
and Pelham-Clinton (1967).

***schulziana* (Fabricius, 1776)**

Synonymy: in *Argyroploce* in Beirne
(1941).

Synonymy: *Phiaris* Hübner, 1825 (Sub-
genus).

***palustrana* (Lienig and Zeller,
1846)**

Synonymy: in *Argyroploce* in Beirne
(1941).

Synonymy: *Phiaris* Hübner, 1825 (Sub-
genus).

***olivana* (Treitschke, 1830)**

Synonymy: *Argyroploce micana* Frol. in
Beirne (1941).

Synonymy: *Phiaris* Hübner, 1825 (Sub-
genus).

***PINIPHILA* FALKOVITSH, 1962**

***bifasciana* (Haworth, 1811)**

Synonymy: *Argyroploce*
decrepitana H.-S. in Beirne (1941).

Footnote: new placement.

Previously in *Olethreutes* Hübner,
1822.

***HEDYA* HÜBNER, 1825**

***pruniana* (Hübner, 1799)**

PLUM TORTRIX

Synonymy: in *Argyroploce* in
Beirne (1941).

***nubiferana* (Haworth, 1811)**

MARbled ORCHARD

TORTRIX

Synonymy: in *Argyroploce* in
Beirne (1941).

Synonymy: *dimidioalba* (Retzius,
1783) (invalid name).

***ochroleucana* (Frölich, 1828)**

Synonymy: in *Argyroploce* in
Beirne (1941).

METENDOTHENIA

DIAKONOFF, 1972

***atropunctana* (Zetterstedt,
1839)**

Synonymy: in *Argyroploce* in
Beirne (1941).

***ORTHOTAENIA* STEPHENS,
1829**

***undulana* (Denis and
Schifferrmüller, 1775)**

Synonymy: *Argyroploce aemulana*
Hübner. in Beirne (1941).

Footnote: Bond (1996).

APOTOMIS HÜBNER, 1825

***semifasciana* (Haworth, 1811)**

Synonymy: in *Argyroploce* in Beirne
(1941).

***turbidana* Hübner, 1825**

Synonymy: *Argyroploce corticana*
Schiff. in Beirne (1941).

***betuletana* (Haworth, 1811)**

Synonymy: in *Argyroploce* in Beirne
(1941).

***capreana* (Hübner, 1817)**

Synonymy: in *Argyroploce* in Beirne
(1941).

***sororculana* (Zetterstedt, 1839)**

Synonymy: in *Argyroploce* in Beirne
(1941).

ENDOTHENIA STEPHENS, 1852

+ *marginana* (Haworth, 1811)

Synonymy: *oblongana* Haw. in Beirne
(1941).

Footnote: Bradley and Pelham-Clinton
(1967) (including record of *E.*
gentianaeana (Hübner) which is
erroneous). Bradley (1953a) recorded

“*Endothenia sellana* Hübner.” and
this record may also refer to *E.*
marginana.

***quadrimaculana* (Haworth,
1811)**

Synonymy: *antiquana* Hübner. in
Beirne (1941).

***trifoliana* (Herrich-Schäffer,
1851)**

Synonymy: *ericetana* West. in
Beirne (1941).

Synonymy: *ericetana* (Humphreys
and Westwood, 1854) (under this
name in Bradley (2000))

LOBESIA GUENÉE, 1845

***reliquana* (Hübner, 1825)**

***littoralis* (Humphreys and
Westwood, 1845)**

Synonymy: *Polychrosis dubitana*
Steph. in Beirne (1941).

BACTRA STEPHENS, 1834

***furfurana* (Haworth, 1811)**

***lancealana* (Hübner, 1799)**

Synonymy: *lanceolana* in Beirne
(1941).

+ *robustana* (Christoph, 1872)

Footnote: Bond (1996). The records
in Bradley *et al.* (1979) are
unconfirmed.

EUDEMIS HÜBNER, 1825

***profundana* (Denis and
Schifferrmüller, 1775)**

Synonymy: *Argyoploce profundana* Fab.
in Beirne (1941).

ANCYLIS HÜBNER, 1825

**+ *achatana* (Denis and
Schifferrmüller, 1775)**

Footnote: Bradley *et al.* (1979); Bond
(1996).

+ *comptana* (Frölich, 1828)

Footnote: Classey and Goater (1951).

Beirne (1941) had considered that
confirmation of a Russ record from Sligo
was desirable.

***unguicella* (Linnaeus, 1758)**

***uncella* (Denis and Schifferrmüller,
1775)**

***geminana* (Donovan, 1806)**

+ *subarcuana* (Douglas, 1847)

Footnote: Emmet (1970b as *inornatana*,
1971). Bradley reports *Ancylis*
subarcuana f. *inornatana*: Burren, Co.
Clare, August 1969 (Bond, 1995).

***mitterbacheriana* (Denis and
Schifferrmüller, 1775)**

***obtusana* (Haworth, 1811)**

***badiana* (Denis and Schifferrmüller,
1775)**

***myrtillana* (Treitschke, 1830)**

EPINOTIA HÜBNER, 1825

+ *subsequana* (Haworth, 1811)

Footnote: Bond (1996).

***subocellana* (Donovan, 1806)**

Synonymy: *in Eucosma* *in* Beirne
(1941).

***bilunana* (Haworth, 1811)**

Synonymy: *in Eucosma* *in* Beirne
(1941).

***ramella* (Linnaeus, 1758)**

Synonymy: *in Eucosma* *in* Beirne
(1941).

***immundana* (Fischer von
Röslerstamm, 1839)**

Synonymy: *Eucosma triquetra*
Haw. *in* Beirne (1941).

***tetraquetra* (Haworth, 1811)**

Synonymy: *in Eucosma* *in* Beirne
(1941).

***nisella* (Clerck, 1759)**

Synonymy: *in Eucosma* *in* Beirne
(1941).

***tenerana* (Denis and
Schifferrmüller, 1775)**

NUT BUD MOTH

Synonymy: *Eucosma penkleriana*
F.v.R. *in* Beirne (1941).

+ ***nemorivaga* (Tengström, 1848)**

Footnote: Mere *et al.* (1962).

***tedella* (Clerck, 1759)**

Synonymy: in *Eucosma* in Beirne (1941).

***fraternana* (Haworth, 1811)**

Synonymy: *Eucosma proximana* H.-S. in Beirne (1941).

+ ***signatana* (Douglas, 1845)**

Synonymy: in *Eucosma* in Beirne (1941).

Footnote: Bond (1996).

***nanana* (Treitschke, 1835)**

Synonymy: in *Eucosma* in Beirne (1941).

+ ***rubiginosana* (Herrich-Schäffer, 1851)**

Footnote: Bond (1997).

***cruciana* (Linnaeus, 1761)**

WILLOW TORTRIX

Synonymy: in *Eucosma* in Beirne (1941).

***mercuriana* (Frölich, 1828)**

Synonymy: *murcuriana* in Beirne (1941).

***crenana* (Hübner, 1817)**

Synonymy: in *Eucosma* in Beirne (1941).

***abbreviana* (Fabricius, 1794)**

Synonymy: *Eucosma trimaculana* Don. in Beirne (1941).

***trigonella* (Linnaeus, 1758)**

Synonymy: *Eucosma similana* Schiff. in Beirne (1941).

Synonymy: *stroemiana* (Fabricius, 1781).

***maculana* (Fabricius, 1775)**

Synonymy: in *Eucosma* in Beirne (1941).

+ ***sordidana* (Hübner, 1824)**

Footnote (Bond, 2003).

***caprana* (Fabricius, 1798)**

Synonymy: *Eucosma semifuscana* Steph. in Beirne (1941).

+ ***brunnichana* (Linnaeus, 1767)**

Footnote: Ellerton (1967).

***solandriana* (Linnaeus, 1758)**

Synonymy: in *Eucosma* in Beirne (1941).

CROCIDOSEMA ZELLER, 1847

+ ***plebejana* Zeller, 1847**

Footnote: Huggins (1966) (as *plebeiiana*); Terry (1986). In addition, a male was recorded at the Rothamsted Insect Trap at Fota Wildlife Park, W781713, East

Cork, 15 November 1988 (Bond, 1995).
Migrant and maritime colonist.

RHOPOBOTA LEDERER, 1859

Synonymy: *Griselda* Heinrich, 1923.

***naevana* (Hübner, 1817)**

HOLLY TORTRIX

Synonymy: in *Acrolita* in Beirne (1941).

+ ***stagnana* (Denis and**

Schifferrmüller, 1775)

Synonymy: *fractifasciana* Haworth, 1811.

Footnote: Bradley (1952 as *R. fracifasciana* (misspelling)). Beirne (1941) considered an old record by Dillon (as *Eucosma fractifasciana* Haworth) to be very doubtful.

***myrtillana* (Humphreys and**

Westwood, 1845)

Synonymy: in *Eucosma* in Beirne (1941).

ZEIRAPHERA TREITSCHKE, 1829

+ ***ratzeburgiana* (Ratzeburg, 1840)**

SPRUCE BUD MOTH

Footnote: Agassiz (1982). Further records are:- one at light, Dunmurry, J290690, Co. Antrim, 14 August 1969 (Heal card index); ♂, Nagles Mts, W671947, East Cork, 15 August.1980; at light, Killegar House, H262063, Co.

Leitrim, 17 August 1992. The use of the author's name Ratzeburg rather than Saxesen, follows Emmet (1991b). The same remarks apply to *Cydia coniferana*.

***isertana* (Fabricius, 1794)**

Synonymy: *Eucosma insertana* Fab. in Beirne (1941).

***griseana* (Hübner, 1799)**

LARCH TORTRIX

Synonymy: in *Eucosma* in Beirne (1941).

Footnote: Bond (1996).

GYPSONOMA MEYRICK, 1895

+ ***aceriana* (Duponchel, 1843)**

Footnote: Bond (1981a). Records in Bradley and Pelham-Clinton (1967) are based on misdeterminations of *G. dealbana* (see Bradley *et al.* (1979)).

***sociana* (Haworth, 1811)**

Footnote: Bond (1996). Records of *Gypsonoma sociana* (Haworth) and *G. neglectana* (Duponchel) in Beirne (1941) refer to *G. dealbana* (Frölich).

***dealbana* (Frölich, 1828)**

EPIBLEMA HÜBNER, 1825

***cynosbatella* (Linnaeus, 1758)**

Synonymy: in *Eucosma* in Beirne (1941).

Synonymy: *Notocelia* Hübner, 1825.

***uddmanniana* (Linnaeus, 1758)**

BRAMBLE SHOOT MOTH

Synonymy: in *Notocelia* in Beirne (1941).

***trimaculana* (Haworth, 1811)**

Synonymy: *Notocelia suffusana* Dup. in Beirne (1941).

***rosaecolana* (Doubleday, 1850)**

Synonymy: in *Notocelia* in Beirne (1941).

***roborana* (Denis and**

Schifferrmüller, 1775)

Synonymy: in *Notocelia aquana* Hübn. in Beirne (1941).

***incarnatana* (Hübner, 1800)**

Synonymy: in *Notocelia* in Beirne (1941).

***tetragonana* (Stephens, 1834)**

Synonymy: in *Notocelia* in Beirne (1941).

***turbidana* (Treitschke, 1835)**

Synonymy: in *Eucosma* in Beirne (1941).

***scutulana* (Denis and**

Schifferrmüller, 1775)

Synonymy: *Eucosma pflugiana*

Fab. in Beirne (1941).

***cirsiana* (Zeller, 1843)**

Synonymy: in *Eucosma* in Beirne (1941).

***sticticana* (Fabricius, 1794)**

Synonymy: *farfarae* Fletcher in Beirne (1941).

***costipunctana* (Haworth, 1811)**

Synonymy: *Eucosma trigeminana* Steph. in Beirne (1941).

***ERIOPSELA* GUENÉE, 1845**

+ *quadrana* (Hübner, 1813)

Footnote: Bradley (1952); Bradley and Pelham-Clinton (1967).

***EUCOSMA* HÜBNER, 1823**

+ *aspidiscana* (Hübner, 1817)

Footnote: Bradley (1952); Bradley and Pelham-Clinton (1967).

Footnote: previously in *Eriopsela* Guenée, 1845.

***aemulana* (Schläger, 1849)**

Footnote: Beirne (1945a).

***campoliliana* (Denis and**

Schifferrmüller, 1775)

Synonymy: *Eucosma*

nigromaculana Haw. in Beirne (1941).

Footnote: new placement. Previously in *Eriopsela* Guenée, 1845.

***hohenwartiana* (Denis and Schiffermüller, 1775)**

Synonymy: *hohenwarthiana* Schiff. in Beirne (1941).

forma *fulvana* Stephens, 1834

Synonymy: *Eucosma fulvana* Steph. in Beirne (1941).

Footnote: new placement. Previously in *Eriopsela* Guenée, 1845. Considered a species by some authors.

***cana* (Haworth, 1811)**

Synonymy: new placement. Previously in *Eriopsela* Guenée, 1845.

+ *obumbratana* (Lienig and Zeller, 1846)

Footnote: new placement. Previously in *Eriopsela* Guenée, 1845.

Footnote: Bradley and Pelham-Clinton (1967); Bond (1981a).

***SPILONOTA* STEPHENS, 1829**

***ocellana* (Denis and Schiffermüller, 1775)**

BUD MOTH

+ *laricana* (Heinemann, 1863)

Footnote: Bond (1996). This species was previously considered by some authors

to be a form of *S. ocellana* (Denis and Schiffermüller).

***CLAVIGESTA* OBRAZTSOV, 1946**

+ *sylvestrana* (Curtis, 1850)

Footnote: Bond (1996).

PSEUDOCOCCYX

SWATSCHEK, 1958

Homonymy *Pseudococcyx* Agenjo, 1955.

Synonymy *Blastesthia* Obraztsov, 1960.

+ *posticana* (Zetterstedt, 1839)

Footnote: Bradley *et al.* (1979).

Chalmers-Hunt (1982) refers to a Stelfox specimen in NMI which was taken in 1926.

***RHYACIONIA* HÜBNER, 1825**

***buoliana* (Denis and**

Schiffermüller, 1775)

PINE SHOOT MOTH

Synonymy: in *Evetia* in Beirne (1941).

***pinivorana* (Lienig and Zeller, 1846)**

SPOTTED SHOOT MOTH

Synonymy: in *Evetia* in Beirne (1941).

THAUMATOTIBIA ZACHER, 1915

Synonymy: *Cryptophlebia* Walsingham, 1899.

+ *leucotreta* (Meyrick, 1913)

FALSE CODLING MOTH

Footnote: O'Connor and Nash (1982).

Adventive.

ENARMONIA HÜBNER, 1826

formosana (Scopoli, 1763)

CHERRY BARK TORTRIX

Synonymy: in *Laspeyresia* in Beirne (1941).

LATHRONYMPHA MEYRICK, 1926

strigana (Fabricius, 1775)

STROPHEDRA HERRICH-SCHÄFFER, 1854

nitidana (Fabricius, 1794)

Synonymy: in *Pammene* in Beirne (1941).

PAMMENE HÜBNER, 1825

splendidulana (Guenée, 1845)

argyrana (Hübner, 1799)

+ *spiniana* (Duponchel, 1843)

Footnote: Mere *et al.* (1962); Emmet (1971). Considered "doubtful" by Beirne (1941).

populana (Fabricius, 1787)

regiana (Zeller, 1849)

fasciana (Linnaeus, 1761)

rhediella (Clerck, 1759)

FRUITLET MINING TORTRIX

gallicana (Guenée, 1845)

Synonymy: in *Laspeyresia* in Beirne (1941).

Synonymy: *Eucelis* Hübner, 1825 (Sub-genus).

aurana (Fabricius, 1775)

Synonymy: in *Laspeyresia* in Beirne (1941).

Synonymy: *Eucelis* Hübner, 1825 (Sub-genus).

GRAPHOLITA TREITSCHKE, 1829

+ *compositella* (Fabricius, 1775)

Synonymy: in *Laspeyresia* in Beirne (1941).

Footnote: new placement.

Previously in *Cydia* Hübner, 1825.

Footnote: Mere and Pelham-Clinton (1966). Beirne (1941) considered that confirmation of the Irish status was desirable.

Footnote: new placement.

Previously in *Cydia* Hübner, 1825.

internana (Guenée, 1845)

Synonymy: in *Laspeyresia* in Beirne (1941).

Footnote: new placement. Previously in *Cydia* Hübner, 1825.

***janthinana* (Duponchel, 1843)**

Synonymy: *Laspeyresia ianthinana* in Beirne (1941).

Footnote: new placement. Previously in *Cydia* Hübner, 1825.

***tenebrosana* (Duponchel, 1843)**

Synonymy: in *Laspeyresia* in Beirne (1941).

Footnote: new placement. Previously in *Cydia* Hübner, 1825.

+ *funebrana* (Treitschke, 1835)

PLUM FRUIT MOTH

Footnote: Bond (1996).

Footnote: new placement. Previously in *Cydia* Hübner, 1825.

+ *molesta* (Busck, 1916)

ORIENTAL FRUIT MOTH

Footnote: new placement. Previously in *Cydia* Hübner, 1825.

Footnote: Bond (1996).

***jungiella* (Clerck, 1759)**

Synonymy: in *Laspeyresia* in Beirne (1941).

Synonymy: *perlepidana* (Haworth, 1811).

Footnote: new placement. Previously in *Cydia* Hübner, 1825.

+ *lunulana* (Denis and Schiffermüller, 1775)

Footnote: Bradley *et al.* (1979); Heckford and Langmaid (1991).

Caher river and Newtown Castle [Clare], v-vi.1971 (Bond, 1995).

Footnote: new placement.

Previously in *Cydia* Hübner, 1825.

***CYDIA* HÜBNER, 1825**

Synonymy: *Laspeyresia* homonym.

***succedana* (Denis and Schiffermüller, 1775)**

Synonymy: in *Laspeyresia* in Beirne (1941).

+ *microgrammana* (Guenée, 1845)

Footnote: Heckford and Langmaid (1991). Further records are: Brittas

Bay, T311841, Co. Wicklow, 31

May 1987; Ballyteige, S924067,

Co. Wexford, 4 June 1988;

Donabate Island, O239465, Co.

Dublin, 18 June 1988 (Bond, 1995).

Beirne (1941) included this species

as “very doubtful”, pointing out that

“the foodplant *Ononis spinosa*, has not been found in Ireland”.

However, according to Bradley *et*

al. (1979) and Emmet (1991a), the foodplant is *Ononis repens* L.

Footnote: new placement. Previously in *Collicularia* Obraztsov, 1960.

+ ***nigricana* (Fabricius, 1794)**

PEA MOTH

Synonymy: *rusticella* (Clerck, 1759) in Bond (1995) (name suppressed).

Footnote: Bradley (1952); Bradley and Pelham-Clinton (1967); Bradley *et al.* (1979). Considered doubtfully Irish by Beirne (1941).

+ ***fagiglandana* (Zeller, 1841)**

Footnote: Bond (1996). Beirne (1941) removed this species (as *Laspeyresia aspidiscana* Hübner) from the Irish list.

+ ***splendana* (Hübner, 1799)**

Footnote: Bradley and Pelham-Clinton (1967); Bradley *et al.* (1979). Considered doubtful by Beirne (1941).

+ ***pomonella* (Linnaeus, 1758)**

CODLING MOTH

Synonymy: in *Laspeyresia* in Beirne (1941).

+ ***deshaisiana* (Lucas, 1858)**

JUMPING BEAN MOTH

Footnote: reared from jumping beans purchased from novelty shops in Belfast and Dublin.

Adventive, larvae in seeds of spurge (*Sebastiana*, *Colliguaja*).

Central America (Mexico).

+ ***coniferana* (Ratzeburg, 1840)**

Synonymy: in *Laspeyresia* in Beirne (1941).

***DICHRORAMPHA* GUENÉE, 1845**

+ ***petiverella* (Linnaeus, 1758)**

Synonymy: in *Hemimene* in Beirne (1941).

+ ***alpinana* (Treitschke, 1830)**

Synonymy: in *Hemimene* in Beirne (1941).

Footnote: Bradley and Pelham-Clinton (1967). Beirne (1941) considered that confirmation of the Irish status of this species was desirable.

+ ***plumbagana* (Treitschke, 1830)**

Synonymy: in *Hemimene* in Beirne (1941).

+ ***acuminatana* (Lienig and Zeller, 1846)**

Synonymy: in *Hemimene* in Beirne (1941).

+ ***consortana* Stephens, 1852**

Synonymy: in *Hemimene* in Beirne (1941).

+ *simpliciana* (Haworth, 1811)

Synonymy: in *Hemimene* in Beirne (1941).

Footnote: Bond (1996). Beirne (1941) wrote, "confirmation is desirable".

montanana (Duponchel, 1843)

Synonymy: *Hemimene* in Beirne (1941).

+ *gueneeana* Obraztsov, 1953

Footnote: Bond (1996).

plumbana (Scopoli, 1763)

Synonymy: in *Hemimene* in Beirne (1941).

Synonymy: also as *Hemimene tanaceti* Stt. in Beirne (1941).

+ *aeratana* (Pierce and Metcalfe, 1915)

Footnote: Bradley and Pelham-Clinton (1967).

EPERMENIOIDEA

33. EPERMENIIDAE

FRINGE-TUFTED MOTHS

PHAULERNIS MEYRICK, 1895

fulviguttella (Zeller, 1839)

Synonymy: in *Cataplectia* in Beirne (1941).

EPERMENIA HÜBNER, 1825

Synonymy: *Cataplectia* Walsingham, 1894.

chaerophyllella (Goeze, 1783)

SCHRECKENSTEINIOIDEA

34. SCHRECKENSTEINIIDAE

BRISTLE-LEGGED MOTHS

SCHRECKENSTEINIA

HÜBNER, 1825

festaliella (Hübner, 1819)

ALUCITOIDEA

35. ALUCITIDAE

MANY-PLUMED MOTHS

ALUCITA LINNAEUS, 1758

hexadactyla Linnaeus, 1758

TWENTY-PLUME MOTH

Synonymy: in *Orneodes* in Beirne (1941).

PYRALOIDEA

36. PYRALIDAE

SNOUT MOTHS

CRAMBINAE

EUCHROMIUS GUENÉE, 1845

ocellea (Haworth, 1811)

Synonymy: in *Euchromis* in Beirne (1941).

Footnote: second Irish record in 1998 (Johnson, 2001).

Migrant and suspected adventive with imported grain.

CHILO ZINCKEN, 1817

phragmitella (Hübner, 1805)

CHRYNOTEUCHIA HÜBNER, 1825

culmella (Linnaeus, 1758)

Synonymy: in *Crambus* in Beirne (1941).

Synonymy: *Crambus hortuellus* Hübn. in Beirne (1941) misident.

CRAMBUS FABRICIUS, 1798

pascuella (Linnaeus, 1758)

+ *uliginosellus* Zeller, 1850

Footnote: Bond (1992c). Beirne (1941) considered that the Irish records of this species were doubtful. The main collection in NMI contains three specimens, all without locality labels (Bond, 1995).

lathoniellus (Zincken, 1817)

Synonymy: *pratellus* Linn. in Beirne (1941).

Synonymy: *dumetellus* Hübn. in Beirne (1941) misident.

perllella (Scopoli, 1763)

AGRIPHILA HÜBNER, 1825

selasella (Hübner, 1813)

Synonymy: in *Crambus* in Beirne

(1941).

straminella (Denis and

Schifferrmüller, 1775)

Synonymy: *culmella* auctorum including Beirne (1941).

tristella (Denis and

Schifferrmüller, 1775)

Synonymy: in *Crambus* in Beirne (1941).

inquinatella (Denis and

Schifferrmüller, 1775)

Synonymy: in *Crambus* in Beirne (1941).

+ *latistria* (Haworth, 1811)

Footnote: Agassiz (1977). The record is from distribution area "I", not "J" as indicted in Emmet (1991a) (Bond, 1995).

geniculea (Haworth, 1811)

Synonymy: in *Crambus* in Beirne (1941).

CATOPTRIA HÜBNER, 1825

pinella (Linnaeus, 1758)

Synonymy: *Crambus pinellus* Linn. in Beirne (1941).

margaritella (Denis and

Schifferrmüller, 1775)

Synonymy: in *Crambus* in Beirne (1941).

Resident and sporadic migrant. Europe.

PLATYTES GUENÉE, 1845

+ *alpinella* (Hübner, 1813)

Footnote: Bond (1979).

Confirmed resident, West Cork.

SCHOENOBIIINAE

DONACAULA MEYRICK, 1890

forficella (Thunberg, 1794)

Synonymy: in *Schoenobius* in Beirne (1941).

mucronellus (Denis and

Schifferrmüller, 1775)

Synonymy: in *Schoenobius* in Beirne (1941).

SCOPARIINAE

SCOPARIA HAWORTH, 1811

subfusca Haworth, 1811

Synonymy: *cembrella* auctorum.

Synonymy: *cembrae* Haw. in Beirne (1942).

pyralella (Denis and Schifferrmüller, 1775)

Synonymy: *arundinata* (Thunberg, 1792).

Synonymy: *dubitalis* Hübn. in Beirne (1941).

ambigualis (Treitschke, 1829)

+ *basistrigalis* Knaggs, 1866

Footnote: Bradley (1953b). Beirne (1941) considered the Irish status to be doubtful pending confirmation.

DIPLEURINA CHAPMAN, 1912

lacustrata (Panzer, 1804)

Synonymy: *Scoparia centurionalis* Hübn. in Beirne (1941).

EUDONIA BILLBERG, 1820

pallida (Curtis, 1827)

Synonymy: in *Scoparia* in Beirne (1941).

Synonymy: subgenus *Witlesia* Chapman, 1912.

truncicolella (Stainton, 1849)

Synonymy: in *Scoparia* in Beirne (1941).

lineola (Curtis, 1827)

Synonymy: in *Scoparia* in Beirne (1941).

angustea (Curtis, 1827)

Synonymy: in *Scoparia* in Beirne (1941).

delunella (Stainton, 1849)

Synonymy: *Scoparia resinea* Haw. in Beirne (1941).

mercurella (Linnaeus, 1758)

Synonymy: *Scoparia mercurea* Haw. in Beirne (1941).

NYMPHULINAE

Synonymy: ACENTROPINAE.

ACENTRIA STEPHENS, 1829

Synonymy: *Acentropus* Curtis, 1834.

ephemerella (Denis and
Schifferrmüller, 1775)

WATER VENEER

Synonymy: *Acentropus niveus* Ol. in
Beirne (1941).

ELOPHILA HÜBNER, 1822

nymphaeata (Linnaeus, 1758)

BROWN CHINA-MARK

Synonymy: in *Nymphula* in Beirne
(1941).

Footnote: new placement. Previously in
Acentria Stephens, 1829.

PARAPOYNX HÜBNER, 1825

stratitotata (Linnaeus, 1758)

Synonymy: in *Nymphula* in Beirne
(1941).

NYMPHULA SCHRANK, 1802

stagnata (Donovan, 1806)

BEAUTIFUL CHINA-MARK

CATACLYSTA HÜBNER, 1825

lemnata (Linnaeus, 1758)

SMALL CHINA-MARK

EVERGESTINAE

EVERGESTIS HÜBNER, 1825

forficalis (Linnaeus, 1758)

GARDEN PEBBLE

Synonymy: in *Mesographe* in
Beirne (1941).

pallidata (Hufnagel, 1767)

Synonymy: *Evergestis straminalis*
Hübner. in Beirne (1941).

PYRAUSTINAE

PYRAUSTA SCHRANK, 1802

purpuralis (Linnaeus, 1758)

+ *ostrinalis* (Hübner, 1796)

Footnote: Bradley and Pelham-
Clinton (1967); Emmet (1971).
Chalmers-Hunt (1982) refers to
further Irish specimens.

sanguinalis (Linnaeus, 1767)

despicata (Scopoli, 1763)

Synonymy: *cespitalis* Schiff. in
Beirne (1941).

cingulata (Linnaeus, 1758)

**PARATALANTA MEYRICK,
1890**

Synonymy: *Microstega* Meyrick,
1890.

pandalis (Hübner, 1825)

BORDERED PEARL

Synonymy: in *Microstega* in Beirne
(1941)

OSTRINIA HÜBNER, 1825

+ *nubilalis* (Hübner, 1796)

EUROPEAN CORN-BORER

Footnote: Agassiz (1977). The specimen referred to by Haynes and Hillis (1984) does not therefore represent the earliest record.

Migrant colonist. Europe, introduced into North America.

EURRHYPARA HÜBNER, 1825

hortulata (Linnaeus, 1758)

SMALL MAGPIE

PERINEPHELA HÜBNER, 1825

lancealis (Denis and Schiffermüller, 1775)

PHLYCTAENIA HÜBNER, 1825

coronata (Hufnagel, 1767)

Synonymy: *sambucalis* Schiff. in Beirne (1941).

ANANIA HÜBNER, 1823

funeris (Ström, 1768)

Synonymy: in *Pyrausta* in Beirne (1941).

EBULEA DOUBLEDAY, 1849

crocealis (Hübner, 1796)

Synonymy: in *Phlyctaenia* in Beirne (1941).

OPSIBOTYS WARREN, 1890

fuscalis (Denis and Schiffermüller, 1775)

Synonymy: in *Phlyctaenia* in Beirne (1941).

UDEA GUENÉE, 1845

lutealis (Hübner, 1809)

Synonymy: in *Phlyctaenia* in Beirne (1941).

prunalis (Denis and Schiffermüller, 1775)

Synonymy: in *Phlyctaenia* in Beirne (1941).

olivalis (Denis and

Schiffermüller, 1775)

Synonymy: in *Pyrausta* in Beirne (1941).

ferrugalis (Hübner, 1796)

Synonymy: in *Phlyctaenia* in Beirne (1941).

Breeding migrant. Palaearctic.

MECYNA DOUBLEDAY, 1849

+ *asinalis* (Hübner, 1819)

Footnote: Bradley (1953b).

Chalmers-Hunt (1982) refers to an earlier specimen in the Bullock collection. Beirne (1941) had treated the previous Irish records (as *Pyrausta*) as doubtful.

NOMOPHILA HÜBNER, 1825

noctuella (Denis and Schiffermüller, 1775)

RUSH VENEER

PLEUROPTYA MEYRICK, 1890

ruralis (Scopoli, 1763)

MOTHER OF PEARL

Synonymy: in *Notarcha* in Beirne (1941).

PALPITA HÜBNER, 1808

+ *vitrealis* (Rossi, 1794)

Synonymy: *unionalis* (Hübner, 1796) in Bond (1995).

Footnote: Donovan (1945). Chalmers-Hunt (1982) refers to four specimens in the Baynes collection at NMI, the earliest bearing the date "1.9.1985". It has been more recently taken in Co. Wicklow (Bond, 1995).

PYRALINAE

PYRALIS LINNAEUS, 1758

farinalis (Linnaeus, 1758)

MEAL MOTH

Synonymy: in *Pyrausta* in Beirne (1941).
Synanthropic. Afrotropics, Asia.

AGLOSSA LATREILLE, 1796

pinguinalis (Linnaeus, 1758)

LARGE TABBY

GALLERIINAE

GALLERIA FABRICIUS, 1798

mellonella (Linnaeus, 1758)

WAX MOTH

ACHROIA HÜBNER, 1819

grisella (Fabricius, 1794)

LESSER WAX MOTH

APHOMIA HÜBNER, 1825

sociella (Linnaeus, 1758)

BEE MOTH

PHYCITINAE

ANERASTIA HÜBNER, 1825

lotella (Hübner, 1813)

CRYPTOBLABES ZELLER, 1848

bistriga (Haworth, 1811)

ACROBASIS ZELLER, 1839

consociella (Hübner, 1813)

TRACHYCERA RAGONOT, 1893

Synonymy: *Numonia* auctorum.

+ *advenella* (Zincken, 1818)

Footnote: Bradley (1953b).

+ *marmorea* (Haworth, 1811)

Footnote: Mere and Pelham-Clinton (1966); Bradley and Pelham-Clinton (1967).

PEMPELIA HÜBNER, 1825

Synonymy: *Salebria* Zeller, 1846.

palumbella (Denis and

Schifferrmüller, 1775)

Synonymy: in *Salebria* in Beirne (1941).

PYLA GROTE, 1882

fusca (Haworth, 1811)

Synonymy: in *Salebria* in Beirne (1941).

PHYCITA CURTIS, 1828

roborella (Denis and
Schifferrmüller, 1775)

Synonymy: *spissicella* Fab. in Beirne
(1941).

DIORYCTRIA ZELLER, 1846

abietella (Denis and Schifferrmüller,
1775)

Footnote: Beirne (1941) treats *D.*
splendidella (Herrich-Schäffer) and *D.*
abietella (Denis and Schifferrmüller,
1775) as separate species. There is
however no confirmation of the
occurrence of *D. splendidella* in Ireland
or Britain (see Emmet, 1988), and the
records probably refer to *D. abietella*
(Bond, 1995). Beirne (*loc. cit.*) also
refers to a "*Dioryctria* sp." recorded by
Graves (1930). At present, *D. abietella* is
the only species of this genus confirmed
as Irish.

MYELOIS HÜBNER, 1825

+ *circumvoluta* (Geoffroy, 1785)

THISTLE ERMINE

Footnote: Bond (2002).

APOMYELOIS HEINRICH, 1956

+ *bistriatella subcognata* (Ragonot,
1887)

Footnote: Bond (1998a). The
nominate *bistriatella* (Hulst, 1887)
is non-British. North America.

**PEMPELIELLA VON
CARADJA, 1916**

dilutella (Denis and
Schifferrmüller, 1775)

Synonymy: *Pempelia dilutella*
Hübner in Beirne (1941).

Footnote: this species is listed as *P.*
diluta (Haworth) in Emmet (1991a,
1991b).

+ *ornatella* (Denis and
Schifferrmüller, 1775)

Synonymy: *Pempelia ornatella*
Schiff. in Beirne (1941).

Footnote: Bradley (1953b). Beirne
(1941) treated the Irish records of
this species as "doubtful". The
species is indicated in Area "J"
(Connaught) in Beirne (1941), but
confirmed records are from area "I"
(Clare) (Bond, 1995).

ANCYLOSIS ZELLER, 1839

+ *oblitella* (Zeller, 1848)

Footnote: Agassiz (1977).

Footnote: new placement.

Previously in *Trachycera* Ragonot,
1893.

EPHESTIA GUENÉE, 1845

elutella (Hübner, 1796)

CACAO MOTH

Introduced. Synanthropic.

kuehniella Zeller, 1879

MEDITERRANEAN FLOUR MOTH

Synonymy: *Anagasta* Heinrich 1956
(Subgenus).

Introduced. Synanthropic.

cautella (Walker, 1863)

DRIED CURRANT MOTH

Synonymy: *Cadra* Walker, 1864
(Subgenus).

+ *figulilella* (Gregson, 1871)

RAISIN MOTH OR FIG MOTH

Synonymy: *Cadra* Walker, 1864
(Subgenus).

Synonymy: *ficulella* Barr. in Beirne
(1941).

Footnote: O'Connor *et al.* (1990).

Beirne (1941) was unable to trace the source of the record in Meyrick (1928 as *ficulella*). Following dissection, a specimen under this name in the Heal collection in NMI was found to be misidentified.

Introduced. Synanthropic.

calidella (Guenée, 1845)

DRIED FRUIT MOTH

Synonymy: *Cadra* Walker, 1864
(Subgenus).

Introduced. Synanthropic.

PLODIA GUENÉE, 1845

interpunctella (Hübner, 1813)

INDIAN MEAL MOTH

Introduced. Synanthropic.

HOMOEOSOMA CURTIS, 1833

+ *nebulella* (Denis and
Schiffermüller, 1775)

Footnote: Huggins (1962a, 1973).
Beirne (1941) had considered that the Irish records needed confirmation.

+ *sinuella* (Fabricius, 1794)

Footnote: Bond (2002).

nimbella (Duponchel, 1836)

PHYCITODES HAMPSON, 1917

binaevella (Hübner, 1813)

Synonymy: in *Homoeosoma* in
Beirne (1941).

saxicola (Vaughan, 1870)

maritima (Tengström, 1848)

Synonymy: *Homoeosoma*
cretacella Rossl. in Beirne (1941).

PTEROPHOROIDEA

37. PTEROPHORIDAE

PLUME MOTHS

PTEROPHORINAE

Synonymy: *Platyptiliinae*.

OXYPTILUS ZELLER, 1841

parvidactylus (Haworth, 1811)

MARASMARCHA MEYRICK, 1886

+ *lunaedactyla* (Haworth, 1811)

Footnote: Bond (1999b).

AMBLIPTILIA HÜBNER, 1825

acanthadactyla (Hübner, 1813)

Synonymy: in *Platyptilia* in Beirne (1941).

punctidactyla (Haworth, 1811)

Synonymy: in *Platyptilia* in Beirne (1941).

PLATYPTILIA HÜBNER, 1825

tesseradactyla (Linnaeus, 1761)

+ *calodactyla* (Denis and Schiffermüller, 1775)

Footnote: Huggins (1962b). Beirne (1941) listed an earlier record which he considered to be doubtful.

gonodactyla (Denis and Schiffermüller, 1775)

isodactylus (Zeller, 1852)

pallidactyla (Haworth, 1811)

STENOPTILIA HÜBNER, 1825

millieridactyla (Bruand, 1859)

Synonymy: *saxifragae* Fletcher in Beirne (1941).

Footnote: records of *S.*

graphodactyla (Treitschke) in

Beirne (1938) refer to *S.*

millieridactyla.

+ *zophodactylus* (Duponchel, 1840)

Footnote: Bond (2001); Langmaid and Young (2001).

bipunctidactyla (Scopoli, 1763)

Footnote: the European specimens previously placed under this name have been reported by some authors to consist of several closely related species (see Emmet 1991a, 1991b).

However genitalia checks of several Irish specimens have not revealed any consistent differences that might suggest that they are specifically distinct from *Stenoptilia bipunctidactyla* (Scopoli) (Bond, 1995)

pterodactyla (Linnaeus, 1761)

MERRIFIELDIA TUTT, 1905

leucodactyla (Denis and Schiffermüller, 1775)

Synonymy: *tridactyla* (Linnaeus) sensu auctt.

Synonymy: *fuscolimbatus* (Duponchel, 1844).

Synonymy: *icterodactylus* auctorum.

Synonymy: in *Alucita* in Beirne (1941).

Footnote: new placement. Previously in *Pterophorus* Schaffer, 1766.

Footnote: *fuscolimbatus* considered a species by some authors.

***tridactyla phillipsi* Huggins, 1955**

Footnote: Bradley (1953b).

Footnote: Huggins (1955).

Footnote: disjunct. Western Ireland:

Clare, Galway, Limerick. South West

England: West Cornwall (the Lizard)

***PTEROPHORUS* SCHÄFFER, 1766**

***pentadactyla* (Linnaeus, 1758)**

WHITE PLUME MOTH

Synonymy: in *Alucita* in Beirne (1941).

***ADAINA* TUTT, 1905**

***microdactyla* (Hübner, 1813)**

***EULEILOPTILUS* BIGOT AND**

PICARD, 1996

***tephradactyla* (Hübner, 1813)**

Synonymy: in *Oidematomorphus* in Beirne (1941).

Footnote: new placement. Previously in *Leioptilus* Wallengren, 1862

(homonym).

OIDAEMATOPHORUS

WALLENGREN, 1862

***lithodactyla* (Treitschke, 1833)**

***EMMELINA* TUTT, 1905**

***monodactyla* (Linnaeus, 1758)**

Synonymy: in *Oidematomorphus* in Beirne (1941).

HESPERIOIDEA

38. HESPERIIDAE

SKIPPER BUTTERFLIES

PYRGINAE

***ERYNNIS* SCHRANK, 1801**

***tages tages* (Linnaeus, 1758)**

DINGY SKIPPER

DONNÁN

Synonymy: *tages* L. in Baynes

(1964).

***tages baynesi* Huggins, 1956**

IRISH DINGY SKIPPER

Footnote: Bradley (2000) lists two

sub-species of this insect: the

nominate *tages tages* (British Isles:

protected in Northern Ireland and

the Isle of Man) and *tages baynesi*

Huggins, 1956 (Ireland: Clare and

Galway (the Burren), Kildare).

Types of *baynesi* in BM(NH).

Footnote: Huggins (1956a).

PAPILIONOIDEA

Footnote: latest distributional data in Asher *et al.* (2001).

39. PAPILIONIDAE

SWALLOWTAIL BUTTERFLIES

PAPILIONINAE

PAPILIO LINNAEUS, 1758

***machaon* Linnaeus, 1758**

SWALLOWTAIL

Footnote: extinct. There are old records from Leixlip's Louisa Bridge, Co. Kildare and from the Royal Canal, Co. Dublin (Haliday ms) and a recent, unpublished record from Co. Antrim, Kinahan. Accidental.

***glaucus* Linnaeus, 1758**

TIGER SWALLOWTAIL

Footnote: Stelfox (1933).
Adventive. North America.

40. PIERIDAE

WHITE BUTTERFLIES

DISMORPHIINAE

LEPTIDEA BILLBERG, 1820

***sinapis* (Linnaeus, 1758)**

WOOD WHITE

BÁNÓG CHOILLE

Footnote: to-date, known, in Ireland, only from parts of Cos Clare and

Galway.. Previous records are confused with *reali*.

***sinapis juvernica* Williams, 1946**

IRISH WOOD WHITE

Footnote: Williams (1946).

Footnote: The validity of this subspecies and its assumed reference to *reali* needs to be reassessed. Bradley (2000) lists the nominate *sinapis sinapis* (England and Wales) and *juvernica* (Ireland).
+ ***reali* Reissinger, 1989**

REAL'S WOOD WHITE

Footnote: added to the British and Irish list by Nelson *et al.* (2001).

COLIADINAE

COLIAS FABRICIUS, 1807

[*hyale* (Linnaeus, 1758)

PALE CLOUDED YELLOW

BUIÓG LIATH

Footnote: the Irish status needs confirmation.

Breeding migrant. Europe.]

***croceus* (Geoffroy in**

Fourcroy, 1785)

CLOUDED YELLOW

BUIÓG CHRÓCH

Breeding migrant. Europe.

GONEPTERYX LEACH, 1815

***ramni gravesi* Huggins, 1956**

IRISH BRIMSTONE

BUIÓG RUIBHEACH

Footnote: The Brimstone *in* Baynes (1964).

Footnote: Bradley (2000) lists two sub-species of this insect: the nominate *ramni ramni* (Linnaeus, 1758) from Britain and the Isle of Man and *gravesi* Huggins, 1956 from Ireland. Protected (Northern Ireland).

Footnote: Huggins (1956b).

PIERINAE

PIERIS SCHRANK, 1801

***brassicae* (Linnaeus, 1758)**

LARGE WHITE

BÁNÓG MHÓR

Resident and annual migrant. Europe.

***rapae* (Linnaeus, 1758)**

SMALL WHITE

BÁNÓG BHEAG

Resident and annual migrant. Europe.

***napi britannica* Müller and Kautz,
1939**

IRISH GREEN-VEINED WHITE

BÁNÓG UAINE

Synonymy: *napi* L. *in* Baynes (1964).

Footnote: Bradley (2000) lists three sub-species of this insect:-

sabellicae Stephens, 1827 (England and Wales), *thompsoni* Warren, 1968 (Scotland, Western Isles, Shetland) and *britannica* Müller and Kautz, 1939 (Ireland) (Verity's name *britannica* is not available since he applied it to a race, regarded by him as of infrasubspecific rank, of *Pieris napi*, stating that its type locality was the northern coast of Scotland. Müller and Kautz (1939) reapplied the name to the subspecies occurring in Ireland (Kudrna, O. 1983)) The nominate is not found in the British Isles (only Continental Europe). However the extraordinary range of variation in this insect in Ireland casts doubt on the validity of these taxa.

PONTIA FABRICIUS, 1807

***daplidice* (Linnaeus, 1758)**

BATH WHITE

BÁNÓG BHATH

Sporadic breeding migrant. Europe.

**ANTHOCHARIS BOISDUVAL,
RAMBUR, DUMÉRIL AND
GRASLIN, 1833**

cardamines hibernica Williams,
1916

IRISH ORANGE TIP

BÁNÓG RINNBHUÍ

Synonymy: in *Euchloe* in Baynes (1964).

Footnote: Bradley (2000) lists two sub-species of this insect:- *britannica* Verity, 1908 (Britain) and *hibernica* Williams, 1916 (Ireland). The nominate is only found in Continental Europe.

41. LYCAENIDAE

BLUE BUTTERFLIES

THECLINAE

CALLOPHRYS BILLBERG, 1820

rubi (Linnaeus, 1758)

GREEN HAIRSTREAK

STIALLACH UAINÉ

THECLA FABRICIUS, 1807

betulae (Linnaeus, 1758)

BROWN HAIRSTREAK

STIALLACH DONN

**NEOZEPHYRUS SIBATANI AND
ITO, 1942**

quercus (Linnaeus, 1758)

PURPLE HAIRSTREAK

STIALLACH CORCRA

Synonymy: in *Thecla* in Baynes (1964).

Footnote: new placement.

Previously in *Quercusia* Verity, 1943.

LYCAENINAE

LYCAENA FABRICIUS, 1807

phlaeas hibernica Goodson,
1948

IRISH SMALL COPPER

COPRÓG BHEAG

Footnote: Goodson (1948).

Footnote: Bradley (2000) lists two sub-species of this insect:- *eleus* (Fabricius, 1798) (Britain) and *hibernica* Goodson, 1948 (Ireland).

The nominate is only found in Continental Europe.

dispar (Haworth, 1803)

LARGE COPPER

COPRÓG MHÓR

Footnote: Southern Ireland (Tipperary, 1913-1928); Northern Ireland, 1970. Introduced, presumed extinct.

POLYOMMATINAE

CUPIDO SCHRANK, 1801

minimus (Fuessly, 1775)

SMALL BLUE

GORMÁN BEAG

POLYOMMATUS LATREILLE, 1804

icarus mariscolore (Kane, 1893)

IRISH COMMON BLUE

GORMÁN COITEANN

Synonymy: *icarus clara* Tutt. in Baynes (1964).

Footnote: Bradley (2000) lists two sub-species viz. the nominate *icarus icarus* (Rottemburg, 1775) (Britain) and *mariscolore* (Kane, 1893) (Ireland).

CELASTRINA TUTT, 1906

argiolus britanna Verity, 1919

HOLLY BLUE

GORMÁN CUILINN

Synonymy: *argiolus* L. in Baynes (1964).

Footnote: the nominate is only found in Continental Europe. The British Isles sub-species is *britanna* Verity, 1919. No doubt, Irish material belongs here but it has not been critically examined.

42. NYMPHALIDAE

BRUSH-FOOTED BUTTERFLIES

NYMPHALINAE

VANESSA FABRICIUS, 1807

atalanta (Linnaeus, 1758)

RED ADMIRAL

AIMIRÉAL DEARG

Footnote: may occasionally survive winter in hibernation.

Migrant and transitory resident.

Europe.

cardui (Linnaeus, 1758)

PAINTED LADY

AÍLLEÁNN

Synonym: new placement.

Previously in *Cynthia* Fabricius, 1807 (now a Subgenus).

Breeding migrant. Europe.

virginiensis (Drury, 1773)

AMERICAN PAINTED LADY

AÍLLEÁNN MEIRICEÁNACH

Synonymy: *huntera* Fab. in Baynes (1964).

Footnote: Bailey *et al.* (1989) gives a full list of British and Irish records of this North American migrant. The occurrence of the species in Britain and Ireland is reviewed by Crolla *et al.* (2002). Sporadic vagrant/migrant. North America.

AGLAIS DALMAN, 1816

urticae (Linnaeus, 1758)

SMALL TORTOISESHELL

RUÁN BEAG

Resident and migrant. Europe.

antiopa (Linnaeus, 1758)

CAMBERWELL BEAUTY

BÉ NA FALLAINGE

Synonymy: in *Nymphalis* in Baynes (1964).

Footnote: new placement. Previously in *Nymphalis* Kluk, 1802 (now a Subgenus).

Migrant and adventive. Northern Europe and North America.

INACHIS HÜBNER, 1819

io (Linnaeus, 1758)

PEACOCK

PÉACÓG

Synonymy: in *Nymphalis* in Baynes (1964).

Resident and migrant. Europe.

POLYGONIA HÜBNER, 1819

c-album (Linnaeus, 1758)

COMMA

Footnote: spreading northwards in the British Isles. Two (Portaferry, Co. Down) records only - see Asher *et al.* (2001). May be vagrants from Isle of Man. Old record from Malahide, Co. Dublin (Donovan, 1936).

ARGYNNINAE

BOLORIA MOORE, 1900

euphrosyne (Linnaeus, 1758)

PEARL-BORDERED

FRITILLARY

FRITILEÁN PÉARLACH

Synonymy: in *Argynnis* in Baynes (1964).

ISSORIA HÜBNER, 1819

lathonia (Linnaeus, 1758)

QUEEN OF SPAIN FRITILLARY

FRITILEÁN NIAMHRACH

Synonymy: in *Argynnis* in Baynes (1964).

Footnote: two Irish records only (see Baynes (1964)).

Sporadic migrant. Europe - Japan.

ARGYNNIS FABRICIUS, 1807

aglaja (Linnaeus, 1758)

DARK GREEN FRITILLARY

FRITILEÁN DÚGHLAS

Synonymy: *aglaia* L. in Baynes (1964).

Footnote: Ford (1945) draws attention to the presence of subspecies *aglaja* amongst typical *scotica* in Scotland. The same appears true in Ireland. Higgins (1975) recognizes only the subspecies *aglaja* in Western Europe.

paphia (Linnaeus, 1758)

SILVER-WASHED FRITILLARY

FRITILEÁN GEAL

EUPHYDRYAS SCUDDER, 1872

aurinia (Rottemburg, 1775)

MARSH FRITILLARY

aurinia forma hibernica Birchall,
1873

IRISH MARSH FRITILLARY

FRITILEÁN REÍSC

Footnote: Baynes (1964) says the Irish insects are very variable, the form most commonly met with being *ab. praeclara* Kane, but examples similar to *ab. scotica* Robson are very abundant, particularly in Co. Cork. The taxonomy of *aurina* remains uncertain but we have retained the name *hibernica*.

[HEATH FRITILLARY

Melitaea athalia (Rottemburg, 1775) was reported as abundant in Killarney by Birchall (1866/67) but not seen since then. It is almost certainly extinct (Donovan, 1936; Baynes, 1964)].

SATYRINAE

PARARGE HÜBNER, 1819

aegeria tircis (Godart, 1821)

SPECKLED WOOD

BREACFHÉILEACÁN COILLE

Synonymy: *aegeria aegerides*

Staud. in Baynes (1964).

Footnote: Heath (1990) says

“Currently *P. aegeria tircis* occurs throughout Ireland and in the southern and western parts of Britain, but is scarce in East Anglia and North Eastern counties”.

Donovan (1936) referring to *egerides* (misspelling) as a race states “No attempts towards the colouring of the type, *aegeria*”.

Northern European *P. aegeria* were considered a distinct race - *aegerides* - by Staudinger (1871). Higgins (1975) uses Butler's name *tircis* for the northern form.

**LASIOMMATA HUMPHREYS
AND WESTWOOD, 1841**

Synonymy: in *Pararge* in Baynes (1964).

megea (Linnaeus, 1767)

WALL

DONNÓG AN BHALLA

Footnote: Higgins (1975) recognizes only two western European sub-species of *megea* viz. *paramegea* Hübner from Sardinia and Corsica and the

nominate, *megea* L. from the remainder of the region.

EREBIA DALMAN, 1816

epiphron mnemon (Haworth, 1812)

SMALL MOUNTAIN RINGLET

FÁINNEOG SHLÉIBHE

Synonymy: *epiphron* Knoch in Baynes (1964).

Footnote: "The Irish insect has been referred to sub-species *aetherius* Esper, but the reason for this is not very clear" (Baynes, 1964)). This was done by Warren (1936). It is difficult to see on what basis authors have dismissed the museum specimens of this species (a claim made in Asher *et al.* (2001)) - see Chalmers-Hunt (1982), Nash and Samson (1990). We have followed Bradley (2000) in the use of the subspecific name *mnemon* for the British Isles race. The nominate is non-British, occurring only in montane Continental Europe. Extinct.

HIPPARCHIA FABRICIUS, 1807

semele hibernica Howarth, 1971

IRISH GRAYLING

DONNÓG AILLE, GLASÁN

Synonymy: *Eumenis semele* in Baynes (1964).

Footnote: described from Killarney, Co. Kerry, Ireland (Howarth, 1971), this taxon is not recognized by Higgins (1975). It may well be an extreme clinal form.

semele clarensis de Lattin,

1952

CLARE GRAYLING

Footnote: Cockayne (1954a) considered *semele clarensis* de Lattin as an aberration recurring within a variable population and that it did not merit sub-specific rank (Heath, 1990). Described from Co. Clare, Ireland (de Lattin, 1952).

PYRONIA HÜBNER, 1819

tithonus britanniae (Verity, **1915**)

HEDGE BROWN, THE

GATEKEEPER

GEATÓIR

Synonymy: *Maniola tithonus* in Baynes (1964).

Footnote: Higgins (1975) lists no sub-species of *tithonus* and there are no Irish specimens in the Verity collection (La Specola, Florence, Italy).

MANIOLA SCHRANK, 1801

***jurtina iernes* Graves, 1930**

IRISH MEADOW BROWN

DONNÓG FHÉIR

Footnote: Graves (1930).

Footnote: Bradley (2000) lists the following sub-species from the British Isles:- *insularis* Thompson, 1969 (most of Britain), *splendida* White, 1871 (Western and Northern Scotland, Western Isles, Orkney, Shetland), *cassiteridum* Graves, 1930 (Isles of Scilly) and *iernes* Graves, 1930 (Ireland).

COENONYMPHA HÜBNER, 1819

***pamphilus pamphilus* (Linnaeus, 1758)**

SMALL HEATH

FRAOCHÁN BEAG

Synonymy: *pamphilus* L. in Baynes (1964).

Footnote: Higgins (1975) recognises four sub-species, two of which are doubtful, only the nominate - *pamphilus* occurring in north and central Europe.

***tullia polydama* (Howarth, 1803)**

LARGE HEATH

FRAOCHÁN MÓR

Synonymy: *tullia* Mull. in Baynes (1964).

Footnote: sub-speciation in this insect is complex. Perhaps *tullia* is best regarded as a series of clinal forms. Higgins (1975) does this but then recognises three sub-species viz. *tullia* Müller (Central Europe), *demophile* Freyer (Fennoscandia and Scotland) and *rhodopensis* Elwes (Central Italy and the Balkans). This limits the options for Ireland to two i.e. the unsubspeciated clinal forms and *demophile* Freyer. Baynes (1964) states "The Irish insects appear to be more closely allied to the Scottish sub-species *scotica* Staudinger, rather than to the sub-species *philoxenus* Esper, found in the north of England". We draw no conclusions.

APHANTOPUS WALLENGREN, 1853

***hyperantus* (Linnaeus, 1758)**

THE RINGLET

FÁINNEOG

DANAINAE

Footnote: a family in older works.

DANAUS KLUK, 1802

***plexippus* (Linnaeus, 1758)**

MONARCH

BLEACHTFHÉILEACÁN

Footnote: Milkweed Butterfly *in* Baynes (1964).

Footnote: Irish records are reviewed by Cromein and O'Connor (2001). The species has occurred in counties Clare, Cork, Down, Dublin, Galway, Kerry, Limerick, Wexford and Wicklow. Migrant/vagrant. North and South America, Atlantic Islands. It is also found in Australia, New Zealand, Papua and the larger East Indian islands.

BOMBYCOIDEA

Synonymy: Lasiocampoidea in some literature (except Saturniidae).

43. LASIOCAMPIDAE

TENT CATERPILLARS AND LAPPET MOTHS

POECILOCAMPA STEPHENS, 1828

populi (Linnaeus, 1758)

DECEMBER MOTH

TRICHIURA STEPHENS, 1828

crataegi (Linnaeus, 1758)

PALE EGGAR

Footnote: Pale Oak Eggar *in* Baynes (1964).

ERIOGASTER GERMAR, 1811

lanestris (Linnaeus, 1758)

SMALL EGGAR

MALACOSOMA HÜBNER, 1820

neustria (Linnaeus, 1758)

THE LACKEY

LASIOCAMPA SCHRANK, 1802

quercus (Linnaeus, 1758)

forma callunae Palmer, 1847

NORTHERN EGGAR

UBHÓG THUAISCEARTACH

Synonymy: *Lasiocampa quercus callunae* Palmer.

Footnote: Emmet (1991a) following Bradley *et al.* (1972) gives two subspecies of *quercus* viz. the nominate *quercus quercus* Linnaeus, 1758 and *quercus callunae* Palmer, 1847 which he considers a dubious subspecies for stated reasons. Bradley (2000) gives no subspecies, listing *quercus* (woodland, commons, downland, coastal cliffs and dunes) and *quercus* f.[orm] *callunae* Palmer, 1847 (heaths and moors).

MACROTHYLACIA RAMBUR, 1866

rubi (Linnaeus, 1758)

FOX MOTH

EUTHRIX MEIGEN, 1830

potatoria (Linnaeus, 1758)

THE DRINKER

Synonymy: in *Philudoria* Kirby in Baynes (1964).

44. SATURNIIDAE

GIANT SILKWORM MOTHS

SATURNIA SCHRANK, 1802

pavonia (Linnaeus, 1758)

EMPEROR MOTH

IMPIRE

DREPANOIDEA

45. DREPANIDAE

HOOK-TIP MOTHS

DREPANINAE

FALCARIA HAWORTH, 1809

lacertinaria (Linnaeus, 1758)

SCALLOPED HOOK-TIP

RINNCHAM SCOLBACH

Synonymy: in *Drepana* in Baynes (1964).

WATSONALLA MINET, 1985

+ *cultraria* (Fabricius, 1775)

BARRED HOOK-TIP

Footnote: found in Northern Ireland in 1999 (Allen and Thompson, 2001).

DREPANA SCHRANK, 1802

falcataria falcataria (Linnaeus, 1758)

PEBBLE HOOK-TIP

Synonymy: *falcataria* L. in Baynes (1964).

Footnote: a Scottish subspecies of this species exists i.e. *falcataria scotica* Bytinski-Salz, 1939.

Whether any Irish specimens are referable to this sub-species is unknown.

CILIX LEACH, 1815

glaucata (Scopoli, 1763)

CHINESE CHARACTER

THYATIRINAE

THYATIRA OCHSENHEIMER, 1816

batis (Linnaeus, 1758)

PEACH BLOSSOM

HABROSYNE HÜBNER, 1821

pyritoides (Hufnagel, 1766)

BUFF ARCHES

STUABHUÍ

TETHEA OCHSENHEIMER, 1816

or hibernica (Turner, 1927)

IRISH POPLAR LUTESTRING

Synonymy: in *Tethia* in Baynes (1964).

Footnote: Poplar Lutestring in Bayes (1964).

Footnote: Heath (1992) states that the differences described by Turner in naming *or hibernica* are insufficient to support sub-specific status for the Irish population. He also rejects *scotica* Tutt, 1927 (Scottish Highlands-Sutherland; Orkney, Western Isles) on the same grounds. Both are retained by Bradley (2000) who lists English and mid and Southern Scotland populations (by implication) as the nominate - *or or* (Denis and Schiffermüller, 1775).

TETHELLA WERNY, 1966

fluctuosa (Hübner, 1803)

SATIN LUTESTRING

Synonymy: in *Tethia* in Baynes (1964).

OCHROPACHA WALLENGREN, 1871

duplaris (Linnaeus, 1761)

COMMON LUTESTRING

Synonymy: in *Tethia* in Baynes (1964).

Footnote: according to Kane (1901), nominate *duplaris* L. does not occur in Ireland.

ACHYLA BILLBERG, 1820

flavicornis galbanus (Tutt, 1891)

YELLOW HORNED

Synonymy: *flavicornis* L. in

Baynes (1964).

Footnote: nominate *flavicornis* (Linnaeus, 1758) is not known from the British Isles. In Britain and Ireland, *flavicornis* are referable to the subspecies *galbanus* (Tutt, 1891). A Scottish subspecies of this species also exists i.e. *flavicornis scotica* (Tutt, 1888). Whether any Irish specimens are referable to this sub-species is unknown.

GEOMETROIDEA

46. GEOMETRIDAE

MEASURING WORMS,

GEOMETERS

ALSOPHILINAE

ALSOPHILA HÜBNER, 1825

aescularia (Denis and

Schiffermüller, 1775)

THE MARCH MOTH

GEOMETRINAE

PSEUDOTERPNA HÜBNER, 1823

pruinata atropunctaria

(Walker, 1863)

GRASS EMERALD

SMARAGD GHLAS

Footnote: *atropunctaria* is the subspecies found in the British Isles. The nominate is only in Continental Europe.

GEOMETRA LINNAEUS, 1758

papilionaria (Linnaeus, 1758)

LARGE EMERALD

SMARAGRID MHÓR

HEMITHEA DUPONCHEL, 1829

aestivaria (Hübner, 1799)

COMMON EMERALD

HEMISTOLA WARREN, 1893

chrysoprasaria (Esper, 1794)

SMALL EMERALD

Synonymy: *immaculata* auctt. including Baynes (1964).

Footnote: may be adventive in Ireland.

On *Clematis*.

JODIS HÜBNER, 1823

lactearia (Linnaeus, 1758)

LITTLE EMERALD

Footnote: omitted by Emmet (1991a) but definitely Irish.

STERRHINAE

CYCLOPHORA HÜBNER, 1822

albipunctata (Hufnagel, 1767)

BIRCH MOCHA

Synonymy: in *Cosymbia* in Baynes (1964).

+ *pupillaria* (Hübner, 1799)

BLAIR'S MOCHA

Synonymy: *pupillaria* in Myers (1983a).

Footnote: added by Myers (1983a), see also Haynes and Hillis (1983).

Migrant. Europe.

punctaria (Linnaeus, 1758)

MAIDEN'S BLUSH

Synonymy: in *Cosymbia* in Baynes (1964).

linearia (Hübner, 1799)

CLAY TRIPLE-LINES

Synonymy: in *Cosymbia* in Baynes (1964).

TIMANDRA DUPONCHEL, 1829

comae Schmidt, 1931

BLOOD-VEIN

Synonymy: *griseata* auctt.

Synonymy: *amata* auctt.

Synonymy: *Calothyrsanis amata* L. in Baynes (1964).

Footnote: confirmation in Allen and Thompson (2001).

SCOPULA SCHRANK, 1802

marginipunctata (Goeze, 1781)

MULLEIN WAVE

Synonymy: *conjugata* Borkh. in Baynes (1964).

imitaria (Hübner, 1799)

SMALL BLOOD-VEIN

immutata (Linnaeus, 1758)

LESSER CREAM WAVE

floslactata floslactata (Haworth, 1809)

CREAM WAVE

Synonymy: *lactata* Haw. in Baynes (1964).

Footnote: Bradley (2000) recognises the form *scotica* "Scotland, mainly western".

ternata Schrank, 1802

SMOKY WAVE

Footnote: confirmation K. Murphy, Murlough, Co. Down (Allen and Thompson, 2001).

IDAEA TREITSCHKE, 1825

Synonymy: in *Sterrha* in Baynes (1964).

muricata (Hufnagel, 1767)

PURPLE-BORDERED GOLD

Synonymy: in *Sterrha* in Baynes (1964).

biselata (Hufnagel, 1767)

SMALL FAN-FOOTED WAVE

Synonymy: in *Sterrha* in Baynes (1964).

dimidiata (Hufnagel, 1767)

SINGLE-DOTTED WAVE

Synonymy: in *Sterrha* in Baynes (1964).

subsericeata (Haworth, 1809)

SATIN WAVE

Synonymy: in *Sterrha* in Baynes (1964).

aversata (Linnaeus, 1758)

RIBAND WAVE

Synonymy: in *Sterrha* in Baynes (1964).

straminata (Borkhausen, 1794)

PLAIN WAVE

Synonymy: in *Sterrha* in Baynes (1964).

RHODOMETRA MEYRICK, 1892

sacraria (Linnaeus, 1767)

THE VESTAL

Sporadic breeding migrant. Europe - North Africa.

LARENTIINAE

ORTHONAMA HÜBNER, 1825

vittata (Borkhausen, 1794)

OBLIQUE CARPET

Synonymy: *lignata* Hübn. in Baynes (1964).

obstipata (Fabricius, 1794)

THE GEM

Synonymy: in *Nycterosea* in Baynes (1964).

Migrant and transitory resident.

XANTHORHOE HÜBNER, 1825

designata (Hufnagel, 1767)

FLAME CARPET

***decoloraria decoloraria* (Esper,
1806)**

RED CARPET

Synonymy: *munitata* (Hübner, 1809).

Synonymy: *munitata* Hübn. in Baynes
(1964).

Footnote: Bradley (2000) recognises two
sub-species in the British Isles viz. the
nominate and *hethlandica* (Prout, 1901)
from Shetland.

***spadicearia* (Denis and
Schiffermüller, 1775)**

RED TWIN-SPOT CARPET

Footnote: very evident confusion
between *ferrugata* Clerck and
spadicearia (Denis and Schiffermüller)
in older literature renders most published
records wholly unreliable.

***ferrugata* (Clerck, 1759)**

DARK-BARRED TWIN-SPOT
CARPET

Footnote: see note under previous
species.

***montanata montanata* (Denis and
Schiffermüller, 1775)**

SILVER-GROUND CARPET

Synonymy: *montanata* Schiff. in Baynes
(1964).

Footnote: Bradley (2000)

recognises two sub-species in the
British Isles viz. the nominate and
shetlandica (Weir, 1880) from
Shetland.

***fluctuata fluctuata* (Linnaeus,
1758)**

GARDEN CARPET

Synonymy: *fluctuata* L. in Baynes
(1964).

Footnote: Bradley (2000)
recognises two sub-species in the
British Isles viz. the nominate and
thules (Prout, 1914) from Shetland.

SCOTOPTERYX HÜBNER, 1825
***chenopodiata* (Linnaeus, 1758)**

SHADED BROAD-BAR

Synonymy: in *Ortholitha* in Baynes
(1964).

Footnote: Shaded Brood-bar in
Baynes (1964).

***mucronata umbrifera*
(Heydemann, 1925)**

LEAD BELLE

Synonymy: *Ortholitha mucronata*
Scop. in Baynes (1964).

Footnote: the nominate, *mucronata*
mucronata (Scopoli, 1763), is
found in Continental Europe only.

In the British Isles, the species is represented by *mucronata umbrifera* (Heydemann, 1925) (South-west England, Wales and Ireland) and *scotica* (Cockayne, 1940) (North Wales, Anglesey, Isle of Man, North England, Scotland and Ireland). Note that Donovan (1936) considered *Scotopteryx* (as *Eubolia*) *plumbaria* and *mucronata* conspecific rendering early published records of these species redundant unless supported by specimens.

***mucronata scotica* (Cockayne, 1940)**

COCKAYNE'S LEAD BELLE

Footnote: see under previous species.

***luridata plumbaria* (Fabricius, 1775)**

JULY BELLE

Synonymy: *Ortholitha plumbaria* Fab. in Baynes (1964).

Footnote: the British [Isles] sub-species.

Nominate *luridata* is only found in Continental Europe.

CATARHOE HERBULOT, 1951

***cuculata* (Hufnagel, 1767)**

ROYAL MANTLE

Synonymy: in *Euphyia* in Baynes (1964).

EPIRRHOE HÜBNER, 1825

***tristata* (Linnaeus, 1758)**

SMALL ARGENT AND SABLE

***alternata alternata* (Müller, 1764)**

COMMON CARPET

Synonymy: *Epirrhoe alternata* Mull. in

Baynes (1964).

Footnote: the British Isles sub-species, although a second (*obscurata* (South, 1888)) is found in the Outer Hebrides.

***galiata* (Denis and Schiffermüller, 1775)**

GALIUM CARPET

CAMPTOGRAMMA STEPHENS, 1831

***bilineata bilineata* (Linnaeus, 1758)**

YELLOW SHELL

Synonymy: *Euphyia bilineata* L. in Baynes (1964).

Footnote: Bradley (2000) recognizes four sub-species of *bilineata* in the British Isles viz. the nominate (England, Wales, Scotland) [and presumably eastern Ireland]; sub-species *atlantica* (Staudinger, 1892) (Outer Hebrides and Shetland); sub-species

hibernica Tutt, 1902 (Western Ireland: sea cliffs, Cork, Kerry, Clare) and subspecies *isolata* Kane, 1896 (Western Ireland: Blaskets -off Kerry coast).

Footnote: ab. *ethelae* (Huggins, 1956c).

***bilineata hibernica* Tutt, 1902**

IRISH YELLOW SHELL

Synonymy: *Euphyia bilineata* L. in Baynes (1964).

Footnote: see under previous taxon.

***bilineata isolata* Kane, 1896**

BLASKETS' YELLOW SHELL

Footnote: see under previous taxon.

ENTEPHRIA HÜBNER, 1825

***flavicinctata flavicinctata* (Hübner, 1813)**

YELLOW-RINGED CARPET

Synonymy: *flavicinctata* Hübn. in Baynes (1964).

Footnote: Bradley (2000) recognises two subspecies in the British Isles viz. the nominate and *ruficinctata* (Guenée, 1857) from central and North-West Scotland.

Footnote: recent record in Allen and Thompson (2001).

***caesiata* (Denis and Schiffermüller, 1775)**

GREY MOUNTAIN CARPET

LARENTIA TREITSCHKE, 1825

***clavaria* (Haworth, 1809)**

THE MALLOW

ANTICLEA STEPHENS, 1831

***badiata* (Denis and Schiffermüller, 1775)**

SHOULDER STRIPE

Synonymy: in *Earophila* in Baynes (1964).

***derivata* (Denis and Schiffermüller, 1775)**

THE STREAMER

MESOLEUCA HÜBNER, 1825

***albicillata* (Linnaeus, 1758)**

BEAUTIFUL CARPET

PELURGA HÜBNER, 1825

***comitata* (Linnaeus, 1758)**

DARK SPINACH

LAMPROPTERYX STEPHENS, 1831

***suffumata* (Denis and Schiffermüller, 1775)**

WATER CARPET

COSMORHOE HÜBNER, 1825

***ocellata* (Linnaeus, 1758)**

PURPLE BAR

Synonymy: in *Lyncometra* in Baynes (1964).

NEBULA BRUAND, 1846

- salicata latentaria* (Curtis, 1830)**
 STRIPED TWIN-SPOT CARPET
 Synonymy: in *Colostygia* in Baynes (1964).
 Footnote: nominate only in Continental Europe.
- EULITHIS HÜBNER, 1821***
***prunata* (Linnaeus, 1758)**
 THE PHOENIX
 Synonymy: in *Lygris* in Baynes (1964).
***testata* (Linnaeus, 1761)**
 THE CHEVRON
 Synonymy: in *Lygris* in Baynes (1964).
***populata* (Linnaeus, 1758)**
 NORTHERN SPINACH
 Synonymy: in *Lygris* in Baynes (1964).
***mellinata* (Fabricius, 1787)**
 THE SPINACH
 Synonymy: in *Lygris* in Baynes (1964).
***pyraliata* (Denis and Schiffermüller, 1775)**
 BARRED STRAW
 Synonymy: in *Lygris* in Baynes (1964).
***ECLIPTOPERA* WARREN, 1894**
***silaceata* (Denis and Schiffermüller, 1775)**
 SMALL PHOENIX
***CHLOROCLYSTA* HÜBNER, 1825**
 Synonymy: *Dysstroma* Hübner.
- siterata* (Hufnagel, 1767)**
 RED-GREEN CARPET
***miata* (Linnaeus, 1758)**
 AUTUMN GREEN CARPET
***citrata citrata* (Linnaeus, 1761)**
 DARK MARBLED CARPET
 Synonymy: *Dysstroma citrata* L. in Baynes (1964).
 Footnote: there are two British Isles subspecies viz. the nominate and *pythonissata* (Millière, 1872) from Orkney and Shetland.
***truncata* (Hufnagel, 1767)**
 COMMON MARBLED CARPET
 Synonymy: in *Dysstroma* in Baynes (1964).
***CIDARIA* TREITSCHKE, 1825**
***fulvata* (Forster, 1771)**
 BARRED YELLOW
***PLEMYRIA* HÜBNER, 1825**
***rubiginata rubiginata* (Denis and Schiffermüller, 1775)**
 BLUE-BORDERED CARPET
 Synonymy: *Plemyria rubinata* Schiff. in Baynes (1964).
 Footnote: Bradley (2000) gives the nominate and also the subspecies *plumbata* (Curtis, 1837) from North

England, South Scotland (Ross, Western Isles).

THERA STEPHENS, 1831

Synonymy: *Pennithera* Viidalepp, 1980.

firmata (Hübner, 1822)

PINE CARPET

obeliscata (Hübner, 1787)

GREY PINE CARPET

britannica (Turner, 1925)

SPRUCE CARPET

Synonymy: *variata* auctt. including Baynes (1964).

cognata (Thunberg, 1792)

CHESTNUT-COLOURED CARPET

juniperata juniperata (Linnaeus, 1758)

JUNIPER CARPET

Synonymy: *juniperata* L. in Baynes (1964).

juniperata ssp. unnamed

Footnote: Bradley (2000) lists two Irish sub-species viz. *juniperata juniperata* from Eastern Ireland and a Western Ireland (Burren) sub-species as yet unnamed. The former was reported by Bond and Early (1991).

ELECTROPHAES PROUT, 1923

corylata (Thunberg, 1792)

BROKEN-BARRED CARPET

COLOSTYGLIA HÜBNER, 1825

olivata (Denis and

Schifferrmüller, 1775)

BEECH-GREEN CARPET

multistrigaria (Haworth, 1809)

MOTTLED GREY

pectinataria (Knoch, 1781)

GREEN CARPET

HYDRIOMENA HÜBNER, 1825

furcata (Thunberg, 1784)

JULY HIGHFLYER

impluviata (Denis and

Schifferrmüller, 1775)

MAY HIGHFLYER

Synonymy: *coerulata* Fab. in Baynes (1964).

ruberata (Freyer, 1831)

RUDDY HIGHFLYER

COENOCALPE HÜBNER, 1825

lapidata (Hübner, 1809)

SLENDER-STRIPED RUFOUS

HORISME HÜBNER, 1825

+ *vitalbata* (Denis and

Schifferrmüller, 1775)

SMALL WAVED UMBER

Footnote: (Kane, 1901). Not in Baynes (1964), specimen in BM(NH).

Introduction (accidental).

+ *tersata* (Denis and Schiffermüller, 1775)

FERN

Footnote: Kane (1901). Not in Baynes (1964), specimen in BM(NH).

Migrant? Introduction (accidental).

PAREULYPE HERBULOT, 1951

+ *berberata* (Denis and Schiffermüller, 1775)

BARBERRY CARPET

Footnote: there is a specimen in the Murray collection (Trinity College, Dublin) from Clonmel, Co. Tipperary. Sporadic migrant?

RHEUMAPTERA HÜBNER, 1822

hastata hastata (Linnaeus, 1758)

ARGENT AND SABLE

Synonymy: *hastata* L. in Baynes (1964).

forma nigrescens (Prout, 1914)

Footnote: the British Isles sub-species. The northern and western bogland ecotype f. *nigrescens* (Prout, 1914) is not reported from Ireland but is present.

undulata (Linnaeus, 1758)

SCALLOP SHELL

TRIPHOSA STEPHENS, 1829

dubitata (Linnaeus, 1758)

THE TISSUE

Synonymy: in *Priphosa* in Baynes (1964).

PHILEREME HÜBNER, 1825

vetulata (Denis and Schiffermüller, 1775)

BROWN SCALLOP

+ *transversata britannica* Lempke, 1968

DARK UMBER

Footnote: see Baynes supplement (1970).

Recent records: Allen and Thompson (2001).

EUPHYIA HÜBNER, 1825

biangulata (Haworth, 1809)

CLOAKED CARPET

Synonymy: *picata* Hübn. in Baynes (1964).

unangulata (Haworth, 1809)

SHARP-ANGLED CARPET

EPIRRITA HÜBNER, 1822

dilutata (Denis and Schiffermüller, 1775)

NOVEMBER MOTH

Synonymy: in *Oporinia* in Baynes (1964).

christyi (Allen, 1906)

PALE NOVEMBER MOTH

Synonymy: *Oporinia christyi* Prout in Baynes (1964).

***autumnata* (Borkhausen, 1794)**

AUTUMNAL MOTH

Synonymy: in *Oporinia* in Baynes (1964).

***filigrammaria* (Herrich-Schäffer, 1845)**

SMALL AUTUMNAL MOTH

Synonymy: in *Oporinia* in Baynes (1964).

Footnote: Northern distribution in the British Isles. Apparently endemic.

OPEROPHTERA HÜBNER, 1825

***brumata* (Linnaeus, 1758)**

WINTER MOTH

+ *fagata* (Scharfenberg, 1805)

NORTHERN WINTER MOTH

Footnote: confirmed Allen and Thompson (2001).

PERIZOMA HÜBNER, 1825

***taeniata* (Stephens, 1831)**

BARRED CARPET

***affinitata* (Stephens, 1831)**

THE RIVULET

***alchemillata* (Linnaeus, 1758)**

SMALL RIVULET

***bifaciata* (Haworth, 1809)**

BARRED RIVULET

***minorata ericetata* (Stephens, 1831)**

HEATH RIVULET

Footnote: nominate in Continental Europe only.

***blandiata blandiata* (Denis and Schiffermüller, 1775)**

PRETTY PINION

Synonymy: *blandiata* Schiff. in Baynes (1964).

Footnote: Bradley (2000)

recognizes two sub-species viz. the nominate and *perfasciata* (Prout, 1914) from the Hebrides.

***albulata albulata* (Denis and Schiffermüller, 1775)**

GRASS RIVULET

Synonymy: *albulata* Schiff. in Baynes (1964).

Footnote: Bradley (2000)

recognizes two sub-species viz. the nominate and *subfasciaria* (Boheman, 1852) from Shetland.

***flavofasciata* (Thunberg, 1792)**

SANDY CARPET

***didymata didymata* (Linnaeus, 1758)**

TWIN-SPOT CARPET

Synonymy: *Colostygia didymata* L. in Baynes (1964).

Footnote: Bradley (2000) recognizes two sub-species viz. the nominate and *hethlandica* (Rebel, 1910) from Shetland.

EUPITHECIA CURTIS, 1825

Footnote: synonymy in this large and difficult genus is complex and what early authors intended by names is often uncertain. Unless supported by genitalic determinations, records of some species in the early literature are unreliable.

***tenuiata* (Hübner, 1813)**

SLENDER PUG

***haworthiata* Doubleday, 1856**

HAWORTH'S PUG

***plumbeolata* (Haworth, 1809)**

LEAD-COLOURED PUG

***abietaria* (Goeze, 1781)**

CLOAKED PUG

Synonymy: *pini* Retz. in Baynes (1964).

Footnote: recent records in Allen and Thompson (2001).

Rare resident and suspected migrant.

+ *linariata* (Denis and Schiffermüller, 1775)

TOADFLAX PUG

Footnote: considered doubtful by Baynes (1964) but included by Meyrick (1928). Confirmed from a 1903 specimen from Favour Royal, Co. Tyrone (I. Rippey pers. comm. via Maurice Hughes).

pulchellata pulchellata

Stephens, 1831

FOXGLOVE PUG

Synonymy: *pulchellata* Steph. in Bradley (1964).

***pulchellata hebudium* Sheldon, 1899**

HEBRIDIAN FOXGLOVE PUG

Footnote: described from the Hebrides but its distribution also includes West Wales and Western Ireland (Bradley, 2000).

***exiguata exiguata* (Hübner, 1813)**

MOTTLED PUG

Synonymy: *exiguata* Hübn. in Baynes (1964).

Footnote: represented by two subspecies in the British viz. the nominate and *muricolor* Prout, 1938 from Eastern North Scotland: East Aberdeen.

***valerianata* (Hübner, 1813)**

VALERIAN PUG

Footnote: recent records in Allen and Thompson (2001).

***pygmaeata* (Hübner, 1799)**

MARSH PUG

***venosata venosata* (Fabricius, 1787)**

NETTED PUG

Synonymy: *venosta* Fab. in Baynes (1964).

***venosata plumbea* Huggins, 1962**

WESTERN NETTED PUG

Synonymy: *venosta* Fab. ab. *plumbea* Huggins in Baynes (1964).

Footnote: two subspecies of *venosata* are found in Ireland viz. the nominate and *plumbea* Huggins from

Inishvickilaun, Blaskets, Co. Kerry;

South-West England and

West Cornwall (the Lizard) (Huggins, 1962c).

***centaureata* (Denis and**

Schifferrmüller, 1775)

LIME-SPECK PUG

***trisignaria* Herrich-Schäffer, 1848**

TRIPLE-SPOTTED PUG

Donovan's (1936) records include reared specimens.

***intricata hibernica* Mere, 1964**

MERE'S PUG

Synonymy: *intricata* Zett. in

Baynes (1964).

Footnote: Edinburgh Pug in Baynes (1962).

Footnote: Mere (1964).

Footnote: according to Bradley (2000), this species is represented in the British Isles by *arceuthata* (Freyer, 1842) (English Midlands, Isle of Wight, Isles of Scilly); *millieraria* Wnukowsky, 1929 (North west England and Scotland: Inner Hebrides) and *hibernica* Mere, 1964 (Western Ireland - The Burren). The nominate is found only in Continental Europe.

***satyrata callunaria* Doubleday,**

1850

SATYR PUG

Synonymy: *satyrata* Hübn. in Baynes (1964).

Footnote: according to Bradley (2000), this species is represented in the British Isles by the nominate (Southern and Eastern England); subspecies *callunaria* (Wales, England (The Midlands), Scotland and Ireland) and *curzoni* Gregson, 1884 (restricted to Shetland).

***absinthiata* (Clerck, 1759)**

WORMWOOD PUG

Footnote: see footnote to *goossensiata*.

***goossensiata* Mabilie, 1869**

LING PUG

Footnote: treated as a separate species in Leraut (1997) but Bradley (2000) regards it as a heathland ecotype of *absinthiata* Clerck following Riley (1986).

Eupithecia minutata Gn. sensu Kane, 1901, is probably *minuta* sensu Denis and Schiffermüller and hence a synonym of *absinthiata* Clerck. *E. minuta* Doubleday is, on the other hand, a synonym of *E. goossensiata* at least in part.

***assimilata* Doubleday, 1856**

CURRENT PUG

***expallidata* Doubleday, 1856**

BLEACHED PUG

***vulgata scotica* Cockayne, 1951**

SCOTTISH COMMON PUG

Footnote: whether or not nominate *vulgata* Haworth, 1909 occurs in Ireland remains to be ascertained. At present, only the Burren sub-species *clarensis* Huggins, 1962 and sub-species *scotica* Cockayne, 1951 are certainly known

here. Common Pug *E. vulgata* Haw. is given in Baynes (1964).

***vulgata clarensis* Huggins, 1962**

BURREN PUG

Footnote: Huggins (1962d).

Footnote: see footnote under *vulgata scotica*.

***tripunctaria* Herrich-Schäffer, 1852**

WHITE-SPOTTED PUG

***denotata jasionneata* Crewe, 1881**

JASIONE PUG

Footnote: represented in the British Isles by two sub-species viz. the nominate and the Western ssp. *jasionneata*.

***subfuscata* (Haworth, 1809)**

GREY PUG

Synonymy: *castigata* Hübn. in Baynes (1964).

***icterata subfulvata* (Haworth, 1809)**

TAWNY SPECKLED PUG

Footnote: nominate only in Continental Europe. Represented in the British Isles by subspecies *subfulvata* (Haworth, 1809) and f.

cognata Stephens, 1831, a possible ecotype, occurring more frequently northwards (Bradley, 2000).

***icterata oxydata* Treitschke, 1827**

BURREN TAWNY SPECKLED PUG

Synonymy: both subspecies are given in Baynes (1964) under *E. icterata* de Villers: Tawny Speckled Pug.

Footnote: not listed by Bradley (2000).

***succenturiata* (Linnaeus, 1758)**

BORDERED PUG

***subumbrata* (Denis and**

Schifferrmüller, 1775)

SHADED PUG

***simpliciata* (Haworth, 1809)**

PLAIN PUG

Synonymy: *subnotata* Hübn. in Baynes (1964).

***distinctaria constrictata* Guenée, 1857**

THYME PUG

Footnote: the nominate sub-species of *distinctaria* Herrich-Schäffer, 1848 does not occur in Britain or Ireland. Here, the species is represented by *constrictata* Guenée (Bradley, 2000).

***indigata* (Hübner, 1813)**

OCHREOUS PUG

***pimpinellata* (Hübner, 1813)**

PIMPINEL PUG

***nanata* (Hübner, 1813)**

NARROW-WINGED PUG

Synonymy: *nanata angusta* Prout in Baynes (1964).

Footnote: Scoble *et al.* (1999) give *angustata* (Haworth, 1809) and *angusta* Prout, 1938 as synonyms of *nanata* (Hübner, 1813).

***innotata* (Hufnagel, 1767)**

***forma fraxinata* Crewe, 1863**

ASH PUG

Footnote: Baynes (1964) uses the name Angle-barred Pug.

Footnote: form of *innotata* (Bradley, 2000). Endemic (British Isles), ecotype which may be a separate species (Scoble *et al.*, 1990).

***virgaureata* Doubleday, 1861**

GOLDEN-ROD PUG

***abbreviata* Stephens, 1831**

BRINDLED PUG

***dodoneata* Guenée, 1857**

OAK-TREE PUG

***pusillata pusillata* (Denis and Schifferrmüller, 1775)**

JUNIPER PUG

Synonymy: *sobrinata* Hübn. in Baynes (1964).

+ *phoeniceata* (Rambur, 1834)

CYPRESS PUG

Synonymy: *phoeniciata* in Myers (1982, 1983b).

Footnote: may be resident. Myers (1982, 1983b). Northward spreading species.

Adventive colonist.

lariciata (Freyer, 1842)

LARCH PUG

+ *tantillaria* Boisduval, 1840

DWARF PUG

Footnote: Mere *et al.* (1964).

Footnote: recent records in Allen and Thompson (2001).

CHLOROCLYSTIS HÜBNER, 1825

v-ata (Haworth, 1809)

V-PUG

Synonymy: *coronata* Hübn. in Baynes (1964).

PASIPHILA MEYRICK, 1883

Footnote: Genus *Rhinoprora* Warren, 1885.

rectangulata (Linnaeus, 1758)

GREEN PUG

Synonymy: in *Chloroclystis* in Baynes (1964).

debiliata (Hübner, 1817)

BILBERRY PUG

Synonymy: in *Chloroclystis* in Baynes (1964).

GYMNOSCELIS MABILLE, 1868

rufifasciata (Haworth, 1809)

DOUBLE-STRIPED PUG

Synonymy: *pumilata* Hübn. in Baynes (1964).

CHESIAS TREITSCHKE, 1825

legatella (Denis and

Schifferrmüller, 1775)

THE STREAK

CARSIA HÜBNER, 1825

sororiata anglica Prout, 1937

MANCHESTER TREBLE-BAR

Footnote: *anglica* is the British Isles sub-species. The nominate is found only in Continental Europe.

APLOCERA STEPHENS, 1827

plagiata plagiata (Linnaeus, 1758)

TREBLE-BAR

Synonymy: *Anaitis plagiata* L. in Baynes (1964).

Footnote: the main British Isles sub-species, although a second viz. *scotica* (Richardson, 1952) is found

in Central and Northern Scotland,
Orkney and the Hebrides.

ODEZIA BOISDUVAL, 1840

atrata (Linnaeus, 1758)

CHIMNEY SWEEPER

VENUSIA CURTIS, 1839

cambrica Curtis, 1839

WELSH WAVE

ASTHENA HÜBNER, 1825

albulata (Hufnagel, 1767)

SMALL WHITE WAVE

HYDRELIA HÜBNER, 1825

+ *flammeolaria* (Hufnagel, 1767)

SMALL YELLOW WAVE

Footnote: added by Allen and Thompson
(2001).

sylvata (Denis and Schiffermüller,
1775)

WAVED CARPET

Synonymy: *testacea* Donovan in
Baynes (1964).

LOBOPHORA CURTIS, 1825

halterata (Hufnagel, 1767)

THE SERAPHIM

TRICHOPTERYX HÜBNER, 1825

carpinata (Borkhausen, 1794)

EARLY TOOTH-STRIPED

**PTERAPHERAPTERYX CURTIS,
1825**

sexalata (Retzius, 1783)

SMALL SERAPHIM

Synonymy: in *Mysticoptera* in
Baynes (1964).

ACASIS DUPONCHEL, 1845

viretata (Hübner, 1799)

YELLOW-BARRED BRINDLE

ENNOMINAE

ABRAXAS LEACH, 1815

grossulariata (Linnaeus, 1758)

THE MAGPIE

BREACÓG

sylvata (Scopoli, 1763)

CLOUDED MAGPIE

Synonymy: sub-genus *Calospilos*
Hübner, 1825.

Resident and suspected migrant.

LOMASPILIS HÜBNER, 1825

marginata (Linnaeus, 1758)

CLOUDED BORDER

IMLEOG DHORCHA

LIGDIA GUENÉE, 1857

adustata (Denis and
Schiffermüller, 1775)

SCORCHED CARPET

MACARIA CURTIS, 1826

notata (Linnaeus, 1758)

PEACOCK MOTH

Synonymy: in *Semiothisa* in Baynes (1964).

Resident and suspected migrant, vagrant.

+ *alternata* (Denis and Schiffermüller, 1775)

SHARP-ANGLED PEACOCK

Footnote: found near Courtown, Co.

Wexford by K. G. M. Bond and identification confirmed by D. S. Fletcher.

liturata (Clerck, 1759)

TAWNY-BARRED ANGLE

Synonymy: in *Semiothisa* in Baynes (1964).

wauaria (Linnaeus, 1758)

THE V-MOTH

Synonymy: in *Itame* in Baynes (1964).

CHIASMLA HÜBNER, 1823

clathrata hugginsi (Baynes, 1959)

IRISH LATTICED HEATH

Footnote: Latticed Heath in Baynes (1964).

Footnote: Bradley (2000) lists the nominate from Britain and sub-species *hugginsi* (see Baynes, 1959) from Ireland.

CEPPHIS HÜBNER, 1823

advenaria (Hübner, 1790)

LITTLE THORN

Synonymy: in *Epione* in Baynes (1964).

PETROPHORA HÜBNER, 1811

chlorosata (Scopoli, 1763)

BROWN SILVER-LINE

Synonymy: in *Lithina* in Baynes (1964).

PLAGODIS HÜBNER, 1823

pulveraria (Linnaeus, 1758)

BARRED UMBER

Synonymy: in *Anagoga* in Baynes (1964).

dolabraria (Linnaeus, 1767)

SCORCHED UMBER

(SCORCHED WING)

OPISTHOGRAPTIS HÜBNER, 1823

luteolata (Linnaeus, 1758)

BRIMSTONE MOTH

LEAMHAN RUIBHEACH

EPIONE DUPONCHEL, 1829

repandaria (Hufnagel, 1767)

BORDERED BEAUTY

PSEUDOPANTHERA HÜBNER, 1823

macularia (Linnaeus, 1758)

SPECKLED YELLOW

APEIRA GISTL, 1848

syringaria (Linnaeus, 1758)

LILAC BEAUTY

ENNOMOS TREITSCHKE, 1825

autumnaria (Werneburg, 1859)

LARGE THORN

Footnote: there is only one certain Irish record of *autumnaria* (NMI) (Beirne coll.; Beirne (1933)). See note under *alniaria* below.

Resident and sporadic migrant.

quercinaria (Hufnagel, 1767)

AUGUST THORN

alniaria (Linnaeus, 1758)

CANARY-SHOULDERED THORN

Synonymy: in *Deuteronomos* in Baynes (1964).

Footnote: there is confusion over the name *alniaria* in the literature. *alniaria* sensu Denis and Schiffermüller is *autumnaria* (Werneburg, 1775).

+ *erosaria* (Denis and

Schiffermüller, 1775)

SEPTEMBER THORN

Footnote: Chalmers-Hunt (1982).

SELENIA HÜBNER, 1823

dentaria (Fabricius, 1775)

EARLY THORN

Synonymy: *bilunaria* Esp. in Baynes (1964).

lunularia (Hübner, 1788)

LUNAR THORN

ODONTOPERA STEPHENS, 1831

bidentata (Clerck, 1759)

SCALLOPED HAZEL

Synonymy: in *Gonodontis* in Baynes (1964).

CROCALLIS TREITSCHKE, 1825

elinguaria (Linnaeus, 1758)

SCALLOPED OAK

OURAPTERYX LEACH, 1814

sambucaria (Linnaeus, 1758)

SWALLOW-TAILED MOTH

LADHRÓG

COLOTOIS HÜBNER, 1823

pennaria (Linnaeus, 1761)

FEATHERED THORN

ANGERONA DUPONCHEL, 1829

prunaria (Linnaeus, 1758)

ORANGE MOTH

PHIGALIA DUPONCHEL, 1829

Synonymy: *Apocheima* Hübner, 1825.

pilosaria (Denis and

Schiffermüller, 1775)

PALE BRINDLED BEAUTY

LYCIA HÜBNER, 1825

- hirtaria* (Clerck, 1759)**
BRINDLED BEAUTY
- zonaria britannica* (Harrison, 1912)**
BELTED BEAUTY
Synonymy: *Nyssia zonaria* Schiff. in Baynes (1964).
Footnote: *zonaria atlantica* Harrison, 1938 is a Hebridean sub-species. Irish *zonaria* are properly placed in ssp. *britannica* Harrison, 1912.
- BISTON LEACH, 1815**
***strataria* (Hufnagel, 1767)**
OAK BEAUTY
***betularia* (Linnaeus, 1758)**
PEPPERED MOTH
BROCÓG
***forma carbonaria* Jordan, 1869**
***forma insularia* Thierry-Mieg, 1886**
Footnote: f. *carbonaria* Jordon is melanistic and prevalent in industrial areas.
- AGRIOPIS HÜBNER, 1825**
***leucophaearia* (Denis and Schiffermüller, 1775)**
SPRING USHER
Synonymy: in *Erranis* in Baynes (1964).
Footnote: specimen in NMI.
- aurantiaria* (Hübner, 1799)**
SCARCE UMBER
- Synonymy: in *Erranis* in Baynes (1964).
Footnote: placed in *Larerannis* Wehrli, 1935 by some Continental authors.
- marginaria* (Fabricius, 1777)**
DOTTED BORDER
Synonymy: in *Erranis* in Baynes (1964).
Footnote: placed in *Larerannis* Wehrli, 1935 by some Continental authors.
- ERANNIS HÜBNER, 1825**
***defoliaria* (Clerck, 1759)**
MOTTLED UMBER
MENOPHRA MOORE, 1887
***abruptaria* (Thunberg, 1792)**
WAVED UMBER
Footnote: confirmation of this species desirable.
- PERIBATODES WEHRLI, 1943**
***rhomboidaria* (Denis and Schiffermüller, 1775)**
WILLOW BEAUTY
Synonymy: in *Cleora* in Baynes (1964).
- SELIDOSOMA HÜBNER, 1823**
***brunnearia scandinaviaria* Staudinger, 1901**

BORDERED GREY

brunnearia tyronensis Cockayne,
1948

TYRONE BORDERED GREY

Footnote: the nominate sub-species of *brunnea* does not occur in Britain or Ireland. Here, the species is represented by two sub-species viz. *scandinaviaria* Staudinger, 1801 and *tyronensis* Cockayne, 1948. Bradley (2000) regards *tyronensis* as a “dwarf ecotype/variant”, adding Northern Ireland, Tyrone, near Lough Neagh (habitat believed destroyed).

Footnote: West (1996) has described *Selidosema brunnearia* ab. *atlantica* from Co. Clare.

CLEORA CURTIS, 1825

cinctaria cinctaria (Denis and
Schifferrmüller, 1775)

RINGED CARPET

Synonymy: *cinctaria* Schiff. in Baynes (1964).

Footnote: the sub-species *sodorensium* Weir, 1881 occurs in the Outer Hebrides.

DEILEPTENIA HÜBNER, 1825

ribeata (Clerck, 1759)

SATIN BEAUTY

Footnote: recent record in Allen and Thompson (2001).

ALCIS CURTIS, 1826

repandata repandata
(Linnaeus, 1758) forma
muraria Curtis, 1826

MOTTLED BEAUTY

Synonymy: *repandata* L. in Baynes (1964).

Footnote: Kane (1901) discusses variation in this species at length. Bradley (2000) lists “f. *muraria* Curtis, 1826 from Scotland and W Ireland”.

jubata (Thunberg, 1788)

DOTTED CARPET

Footnote: recent records in Allen and Thompson (2001).

HYPOMECEIS HÜBNER, 1821

punctinalis (Scopoli, 1763)

PALE OAK BEAUTY

Synonymy: in *Pseudoboarmia* in Baynes (1964).

Synonymy: variously placed in *Boarmia* Treitschke, 1825 and *Serraca* Moore, 1887.

CLEORODES WARREN, 1894

lichenaria (Hufnagel, 1767)

BRUSSELS LACE

ECTROPIS HÜBNER, 1825

bistortata (Goeze, 1781)

THE ENGRAILED

Synonymy: *biundulata* de Vill. in Baynes (1964).

Footnote: *Boarmia* Stephens. Homonym.
Status is uncertain as it is considered in Continental Europe to be conspecific with *crepuscularia* (Denis and Schiffermüller, 1775).

crepuscularia (Denis and Schiffermüller, 1775)

SMALL ENGRAILED

Footnote: *Boarmia* Stephens. Homonym.
Status uncertain as it is considered in Continental Europe to be conspecific with *bistortata* (Goeze, 1781).

PARADARISA WARREN, 1894

Synonymy: *Ectropis* Hübner, 1825.

consonaria (Hübner, 1799)

SQUARE SPOT

Synonymy: in *Ectropis* in Baynes (1964).

AETHALURA MCDUNNOUGH, 1920

punctulata (Denis and Schiffermüller, 1775)

GREY BIRCH

EMATURGA LEDERER, 1853

atomaria atomaria (Linnaeus, 1758)

COMMON HEATH

Synonymy: *atomaria* L. in Baynes (1964).

forma minuta Heydemann, 1925

Footnote: form *minuta* is a dwarf form found on northern moorland habitats.

BUPALUS LEACH, 1815

piniaria (Linnaeus, 1758)

BORDERED WHITE

CABERA TREITSCHKE, 1825

pusaria (Linnaeus, 1758)

COMMON WHITE WAVE

Synonymy: in *Deilinia* in Baynes (1964).

exanthemata (Scopoli, 1763)

COMMON WAVE

Synonymy: in *Deilinia* in Baynes (1964).

LOMOGRAPHA HÜBNER, 1825

bimaculata (Fabricius, 1775)

WHITE-PINION SPOTTED

Synonymy: in *Bapta* in Baynes (1964).

temerata (Denis and Schiffermüller, 1775)

CLOUDED SILVER

Synonymy: in *Bapta* in Baynes (1964).

THERIA HÜBNER, 1825

primaria (Haworth, 1809)

EARLY MOTH

Synonymy: *rupicapraria* Schiff. in Baynes (1964).

Footnote: *rupicapraria* (Denis and Schiffermüller, 1775) of British and Irish authors is a misidentification. *T. rupicapraria* occurs in Continental Europe but not in the British Isles.

CAMPAEA LAMARCK, 1816

margaritata (Linnaeus, 1767)

LIGHT EMERALD

HYLAEA HÜBNER, 1822

fasciaria (Linnaeus, 1758)

BARRED RED

Synonymy: in *Ellopi* in Baynes (1964). Resident and suspected migrant.

ODONTOGNOPHOS WEHRLI, 1951

Synonymy: *Odonthognophus* misspelling.

+ *dumetata hibernica* Forder, 1993

IRISH ANNULET

Footnote: recorded by Forder (1993). Not found in Britain.

GNOPHOS TREITSCHKE, 1825

obfuscatus (Denis and Schiffermüller, 1775)

SCOTCH ANNULET

CHARISSA CURTIS, 1826

obscurata (Denis and Schiffermüller, 1775)

ANNULET

Synonymy: in *Gnophos* in Baynes (1964).

Footnote: was in *Gnophos*. New generic placement *vide* Scoble *et al.* (1991).

ASPITATES TREITSCHKE, 1825

gilvaria burrenensis Cockayne, 1951

IRISH STRAW BELLE

Synonymy: *gilvaria* in Baynes (1964).

Footnote: Cockayne (1951).

Footnote: Straw Belle in Baynes (1964).

Footnote: endemic (Ireland only: Clare and South-East Galway (the Burren), Dublin, Derry, Wicklow). Rare.

DYSCIA HÜBNER, 1825

fagaria (Thunberg, 1784)

GREY SCALLOPED BAR

PERCONIA HÜBNER, 1823

strigillaria (Hübner, 1787)

GRASS WAVE

SPHINGOIDEA

47. SPHINGIDAE

HAWKMOTHS

SPHINGINAE

AGRIUS HÜBNER, 1819

+ *cingulata* (Fabricius, 1775)

PINK-SPOTTED HAWK-MOTH

Footnote: O'Connor and Nash (1986).

Adventive. Not reported from Britain since 18th and 19th century (London).

North America.

convulvuli (Linnaeus, 1758)

CONVOLVULUS HAWK-MOTH

Synonymy: in *Herse* in Baynes (1964).

Breeding migrant. Europe and the tropics.

ACHERONTIA LASPEYRES, 1809

atropos (Linnaeus, 1758)

DEATH'S-HEAD HAWK-MOTH

CONACH NA CEALTRACH

Breeding migrant. Europe and the tropics.

SMERINTHINAE

SMERINTHUS LATREILLE, 1802

ocellata (Linnaeus, 1758)

EYED HAWK-MOTH

LAOTHOE FABRICIUS, 1807

populi (Linnaeus, 1758)

POPLAR HAWK-MOTH

CONACH POIBLEOIGE

MACROGLOSSINAE

HEMARIS DALMAN, 1816

tityus (Linnaeus, 1758)

NARROW-BORDERED BEE

HAWK-MOTH

MACROGLOSSUM SCOPOLI, 1777

stellatarum (Linnaeus, 1758)

HUMMING-BIRD HAWK-MOTH

CONACH FOLUANA

Breeding summer migrant. Western Europe and Mediterranean region eastwards.

DAPHNIS HÜBNER, 1819

nerii (Linnaeus, 1758)

OLEANDER HAWK-MOTH

Sporadic migrant. Eastern Mediterranean.

HYLES HÜBNER, 1819

gallii (Rottemburg, 1775)

BEDSTRAW HAWK-MOTH

Synonymy: in *Celerio* in Baynes (1964).

Breeding migrant. Western Europe and Asia.

livornica (Esper, 1780)

STRIPED HAWK-MOTH

Synonymy: in *Celerio* in Baynes (1964).

Breeding migrant. Canary Islands -

Southern Europe.

DEILEPHILA LASPEYRES, 1809

elpenor (Linnaeus, 1758)

ELEPHANT HAWK-MOTH

CONACH EILIFINTEACH

porcellus (Linnaeus, 1758)

SMALL ELEPHANT HAWK-MOTH

HIPPOTION HÜBNER, 1819

celerio (Linnaeus, 1758)

SILVER-STRIPED HAWK-MOTH

Footnote: the specimen from Co. Antrim mentioned by Baynes (1964) is extant (Ulster Museum).

Sporadic breeding migrant. South Europe, Mediterranean region, tropics.

NOCTUOIDEA

48. NOTODONTIDAE

THE PROMINENTS

NOTODONTINAE

CERURA SCHRANK, 1802

vinula (Linnaeus, 1758)

PUSS MOTH

LEAMHAN PUISÍNEACH

FURCULA LAMARCK, 1816

+ *bicuspis* (Borkhausen, 1790)

ALDER KITTEN

Footnote: added to the Irish list by V. McLaughlin (Maurice Hughes pers. comm.).

furcula (Clerck, 1759)

SALLOW KITTEN

Synonymy: in *Harpyia* in Baynes (1964).

bifida (Brahm, 1787)

POPLAR KITTEN

Synonymy: in *Harpyia* in Baynes (1964).

Footnote: Western and Northern Ireland (Bradley, 2000).

NOTODONTA

OCHSENHEIMER, 1810

Footnote: = (pars) *Tritophia* Kiriakoff.

Footnote: = (pars) *Eligmodonta* Kiriakoff.

dromedarius (Linnaeus, 1767)

IRON PROMINENT

STARRAICÍN IARAINN

ziczac (Linnaeus, 1758)

PEBBLE PROMINENT

Footnote: also in *Eligmodonta* Kiriakoff, 1967.

PHEOSIA HÜBNER, 1819

gnoma (Fabricius, 1777)

LESSER SWALLOW PROMINENT

Synonymy: *Notodonta dictaeoides* Esper
in Donovan (1936).

Footnote: for identification see Heath
(1969).

tremula (Clerck, 1759)

SWALLOW PROMINENT

Footnote: for identification see Heath
(1969).

PTILODON HÜBNER, 1822

capucina (Linnaeus, 1758)

COXCOMB PROMINENT

Synonymy: in *Lophopteryx* in Baynes
(1964).

ODONTOSIA HÜBNER, 1819

carmelita (Esper, 1799)

SCARCE PROMINENT

PTEROSTOMA GERMAR, 1811

palpina (Clerck, 1759)

PALE PROMINENT

LEUCODONTA STAUDINGER, 1892

bicoloria (Denis and Schiffermüller,
1775)

WHITE PROMINENT

Footnote: Red Data Book species,
believed extinct in British Isles. England:
Staffs, Burnt Wood, 1860s; South
Devon, near Exeter, 1880; South-West
Ireland: last recorded from Kerry,

Killarney May 1938; on birch
(*Betula*). History: Haynes (1984)
and Brown (1986).

Extinct

DRYMONIA HÜBNER, 1819

dodonaea (Denis and
Schiffermüller, 1775)

MARBLED BROWN

ruficornis (Hufnagel, 1766)

LUNAR MARBLED BROWN

Synonymy: in *Chaonia* in Baynes
(1964).

PYGAERINAE

CLOSTERA SAMOUELLE, 1819

pigra (Hufnagel, 1766)

SMALL CHOCOLATE-TIP

curtula (Linnaeus, 1758)

CHOCOLATE-TIP

Footnote: larvae have been reported
from time to time, but no moths
have been bred (Donovan, 1936;
Baynes, 1964).

PHALERINAE

PHALERA HÜBNER, 1819

bucephala (Linnaeus, 1758)

BUFF-TIP

RINNBHUÍ

HETEROCAMPINAE

STAUROPUS GERMAR, 1812

fagi (Linnaeus, 1758)

LOBSTER MOTH

DILOBINAE

Footnote: subfamily assigned to
Noctuidae in recent classifications.

DILOBA BOISDUVAL, 1840

caeruleocephala (Linnaeus, 1758)

FIGURE OF EIGHT MOTH

Synonymy: in *Episema* in Baynes
(1964).

49. LYMANTRIIDAE

TUSSOCK MOTHS

ORGYIA OCHSENHEIMER, 1810

antiqua (Linnaeus, 1758)

THE VAPOURER

DICALLOMERA BUTLER, 1881

fascelina (Linnaeus, 1758)

DARK TUSSOCK

Synonymy: in *Dasychira* in Baynes
(1964).

CALLITEARA BUTLER, 1881

pudibunda (Linnaeus, 1758)

PALE TUSSOCK

Synonymy: in *Dasychira* in Baynes
(1964).

Footnote: previously in *Dasychira*

Hübner, 1809. Name rejected ICZN

Opinions 97, 278.

EUPROCTIS HÜBNER, 1819

similis (Fuessly, 1775)

YELLOW-TAIL

LEUCOMA HÜBNER, 1822

salicis (Linnaeus, 1758)

WHITE SATIN MOTH

Footnote: larvae found on *Salix*
cinerea L., North Bull Island, Co.
Dublin, 28 June 1991, and adults
reared (NMI) (Wistow, 1992) also
existing records from Cos Antrim,
Galway, Mayo and Wicklow.
Resident and migrant. Europe -
Scandinavia.

LYMANTRIA HÜBNER, 1819

monacha (Linnaeus, 1758)

BLACK ARCHES

50. ARCTIIDAE

TIGER MOTHS

LITHOSIINAE

THUMATHA WALKER, 1866

senex (Hübner, 1808)

ROUND-WINGED MUSLIN

SETINA SCHRANK, 1802

irrearella (Linnaeus, 1758)

DEW MOTH

**MILTOCHRISTA HÜBNER,
1819**

- miniata* (Forster, 1771)
 ROSY FOOTMAN
NUDARIA HAWORTH, 1809
mundana (Linnaeus, 1761)
 MUSLIN FOOTMAN
ATOLMIS HÜBNER, 1819
rubricollis (Linnaeus, 1758)
 RED-NECKED FOOTMAN
 Footnote: Allen and Thompson (2001).
 Resident and suspected migrant.
CYBOSIA HÜBNER, 1819
 + *mesomella* (Linnaeus, 1758)
 FOUR-DOTTED FOOTMAN
 Footnote: Donaldson (1992);
 Allen and Thompson (2001).
EILEMA HÜBNER, 1819
 + *griseola* (Hübner, 1803)
 Footnote: Haynes and Hillis (1985);
 Myers (1985).
 DINGY FOOTMAN
 + *forma stramineola* (Doubleday,
 1847)
 Footnote: Jeffares (2002).
caniola (Hübner, 1808)
 HOARY FOOTMAN
 Synonymy: in *Lithosia* in Baynes (1964).
 Footnote: see Baynes (1964) "precarious
 on Waterford coast" and Brown (1987).
 Resident and suspected migrant.
- complana* (Linnaeus, 1758)
 SCARCE FOOTMAN
 Synonymy: in *Lithosia* in Baynes
 (1964).
forma sericea Gregson, 1860
 NORTHERN FOOTMAN
 Northern marsh, moss and bogland.
 Ecotype.
depressa (Esper, 1787)
 BUFF FOOTMAN
 Synonymy: *Lithosia deplana* Esp.
 in Baynes (1964).
lurideola (Zincken, 1817)
 COMMON FOOTMAN
 Synonymy: in *Lithosia* in Baynes
 (1964).
 Footnote: see Allen (1990a).
LITHOSIA FABRICIUS, 1798
quadra (Linnaeus, 1758)
 FOUR-SPOTTED FOOTMAN
 Resident and possible occasional
 migrant.
ARCTIINAE
UTETHEISA HÜBNER, 1819
pulchella (Linnaeus, 1758)
 CRIMSON SPECKLED
 Sporadic migrant from the
 Mediterranean - North Africa.
PARASEMIA HÜBNER, 1820

***plantaginis plantaginis* (Linnaeus, 1758)**

WOOD TIGER

Synonymy: *plantaginis* L. in Baynes (1964).

ARCTIA SCHRANK, 1802

***caja* (Linnaeus, 1758)**

GARDEN TIGER

LEAMHAN TÍOGRACH GARRAÍ

DIACRISIA HÜBNER, 1819

***sannio* (Linnaeus, 1758)**

CLOUDED BUFF

SPILOSOMA CURTIS, 1825

Footnote: the two species in this group have a complex nomenclatural history with many problems of misidentification.

***lubricipeda* (Linnaeus, 1758)**

WHITE ERMINE

EIRMÍN BÁN

Synonymy: *menthastri* Esper, 1790.

Synonymy: *Spilosoma menthastri* (Denis and Schiffermüller, 1775) nomen nudum.

***luteum* (Hufnagel, 1766)**

BUFF ERMINE

EIRMÍN BUÍ

Synonymy: *lubricipeda* sensu auctorum (misidentification, see footnote to genus).

Synonymy: *lutea* Hufn. in Baynes (1964) misspelling.

Footnote: in *Spilarctea* Butler, 1875 in some recent continental works.

DIAPHORA STEPHENS, 1827

***mendica* (Clerck, 1759)**

MUSLIN MOTH

Synonymy: *Cynia mendica* ssp. *rustica* Hübn. in Baynes (1964).

PHRAGMATOBIA STEPHENS, 1828

fuliginosa fuliginosa

(Linnaeus, 1758)

RUBY TIGER

Synonymy: *fuliginosa* L. in Baynes (1964).

TYRIA HÜBNER, 1819

***jacobaeae* (Linnaeus, 1758)**

THE CINNABAR

LEAMHAN FLANNDEARG

Synonymy: in *Callimorpha* in Baynes (1964).

51. CTENUCHIDAE

WASP MOTHS

ANTICHLORIS HÜBNER, 1818

Intercept, on bananas (*Musa*). West Indies and South America.

+ *steinbachi* Rothschild, 1909

Footnote: O'Connor and Nash (1986).

Intercept, on bananas (*Musa*). Colombia.

Rare (only two specimens known), not in Bradley (2000).

+ *eriphia* (Fabricius, 1777)

BANANA STOWAWAY

Footnote: O'Connor and Nash (1984).

Adventive, on imported bananas (*Musa*).

South America.

52. NOLIDAE

NOLID MOTHS

NOLINAE

NOLA LEACH, 1815

confusalis (Herrich-Schäffer, 1847)

LEAST BLACK ARCHES

Synonymy: in *Celama* in Baynes (1964).

53. NOCTUIDAE

NOCTUID MOTHS

NOCTUINAE

EUXOA HÜBNER, 1821

obelisca grisea (Tutt, 1902)

SQUARE-SPOT DART

Synonymy: *obelisca* Schiff. in Baynes (1964).

tritici (Linnaeus, 1761)

WHITE-LINE DART

nigricans (Linnaeus, 1761)

GARDEN DART

cursoria (Hufnagel, 1766)

COAST DART

Resident and suspected migrant.

AGROTIS OCHSENHEIMER, 1816

cinerea (Denis and

Schifferrmüller, 1775)

LIGHT FEATHERED RUSTIC

Synonymy: *denticulatus* Haw. in Baynes (1964).

vestigialis (Hufnagel, 1766)

ARCHER'S DART

segetum (Denis and

Schifferrmüller, 1775)

TURNIP MOTH

clavis (Hufnagel, 1766)

HEART AND CLUB

exclamationis (Linnaeus, 1758)

HEART AND DART

CROÍ-IS-DAIRT

trux lunigera Stephens, 1829

CRESCENT DART

Footnote: [*Agrotis*] *lunigera* was described from three Irish types taken on the Cork coast by Clear (1829, *Illustrations* II: p. 113, pl. 20, fig. 3) (Donovan, 1936).

ipilon (Hufnagel, 1766)

DARK SWORD-GRASS

Migrant and transitory resident.

Temperate and sub-tropical regions.

+ *puta puta* (Hübner, 1803)

SHUTTLE-SHAPED DART

Footnote: doubtful in Baynes (1964) (as *puta*) but confirmed by Haynes and Hillis (1985); Myers (1985).

ripae (Hübner, 1823)

SAND DART

+ *crassa* (Hübner, 1803)

GREAT DART

Footnote: added by Myers (1985);

Haynes and Hillis (1985).

Sporadic migrant. Southern England:

Essex-Cornwall, Isle of Wight, Isles of

Scilly and Southern Ireland. Resident:

Channel Islands and Continental Europe.

AXYLIA HÜBNER, 1821

putris (Linnaeus, 1761)

THE FLAME

ACTEBIA STEPHENS, 1829

praecox (Linnaeus, 1758)

PORTLAND MOTH

Footnote: placed by some authors in *Ochropleura* Hübner, 1821.

OCHROPLEURA HÜBNER, 1821

plecta (Linnaeus, 1761)

FLAME SHOULDER

STANDFUSSIANA BOURSIN, 1946

lucernea (Linnaeus, 1758)

NORTHERN RUSTIC

Synonymy: in *Ammogrotis* in Baynes (1964).

Synonymy: *Agrotis lucernea kerrensis* Kane, 1901

RHYACIA HÜBNER, 1821

simulans (Hufnagel, 1766)

DOTTED RUSTIC

Synonymy: in *Ammogrotis* in Baynes (1964).

NOCTUA LINNAEUS, 1758

pronuba (Linnaeus, 1758)

LARGE YELLOW UNDERWING

FO-EITE BHUÍ MHÓR

Resident and migrant.

comes Hübner, 1813

LESSER YELLOW UNDERWING

Synonymy: in *Euschesis* in Baynes (1964).

Footnote: the use of the name

orbona for two different insects -

the *orbona* of Fabricius being in

reality *comes* has caused much past confusion. Adding to this problem,

some authors have considered

Hufnagel's *orbona* a sub-species of

pronuba. *Noctua orbona* Hufnagel is not reliably known from Ireland.

***fimbriata* (Schreber, 1759)**

BROAD-BORDERED YELLOW
UNDERWING

Synonymy: in *Lampra* in Baynes (1964).

***janthe* (Borkhausen, 1792)**

LESSER BROAD-BORDERED
YELLOW UNDERWING

Synonymy: *Euschesis janthina* Schiff. in Baynes (1964).

Footnote: = *janthina* auctorum. A misidentification, *N. janthina* (Denis and Schiffermüller, 1775) occurs in Continental Europe.

Footnote: Lesser Broad-border in Baynes (1964).

***interjecta caliginosa* Schawerda,
1919**

LEAST YELLOW UNDERWING

Synonymy: *Euschesis interjecta* Hübn. in Baynes (1964).

**GRAPHIPHORA OCHSENHEIMER,
1816**

***augur* (Fabricius, 1775)**

DOUBLE DART

EUGNORISMA BOURSIN, 1946

Footnote: *Paradiarsia auctorum* (including Baynes (1964)) nec McDunnough, 1928.

***glareosa* (Esper, 1788)**

AUTUMNAL RUSTIC

Footnote: also represented by

glareosa edda (Staudinger, 1892) in Britain, *edda* is a nearly black form found in the Shetland islands

(varying percentages of the population). Similar forms are found on Orkney and in Caithness.

LYCOPHOTIA HÜBNER, 1821

***porphyrea* (Denis and
Schiffermüller, 1775)**

TRUE LOVER'S KNOT

Synonymy: *varia* de Vill. in Baynes (1964).

PERIDROMA HÜBNER, 1821

***saucia* (Hübner, 1808)**

PEARLY UNDERWING

Synonymy: *porphyrea* Schiff. in Baynes (1964). Misidentification. Migrant.

DIARSIA HÜBNER, 1821

***mendica mendica* (Fabricius,
1775)**

INGRAILED CLAY

Footnote: *mendica* Fab. in Baynes (1964).

Footnote: two British subspecies (other than the nominate one are recognized in Britain viz. *mendica thulei* (Staudinger, 1891) from the Shetlands and *mendica orkneyensis* (Bytinski-Salz, 1939) from the Orkney islands). We have without critical examination listed the nominate sub-species only.

***dahlia* (Hübner, 1813)**

BARRED CHESTNUT

***brunnea* (Denis and Schiffermüller, 1775)**

PURPLE CLAY

***rubi* (Vieweg, 1790)**

SMALL SQUARE-SPOT

XESTIA HÜBNER, 1818

+ *alpicola alpina* (Humphreys and Westwood, 1843)

NORTHERN DART

Synonymy: formerly in *Amathes*.

Footnote: Redway (1973); Redway and Heath (1973).

Footnote: the nominate occurs in Fennoscandia – Arctic.

***c-nigrum* (Linnaeus, 1758)**

SETACEOUS HEBREW CHARACTER

Synonymy: in *Amathes* in Baynes (1964).

Resident and migrant.

***ditrapezium* (Denis and Schiffermüller, 1775)**

TRIPLE-SPOTTED CLAY

Synonymy: in *Amathes* in Baynes (1964).

***triangulum* (Hufnagel, 1766)**

DOUBLE SQUARE-SPOT

Synonymy: in *Amathes* in Baynes (1964).

***baja* (Denis and Schiffermüller, 1775)**

DOTTED CLAY

Synonymy: in *Amathes* in Baynes (1964).

***castanea* (Esper, 1798)**

THE NEGLECTED RUSTIC

Synonymy: in *Amathes* in Baynes (1964).

***sexstrigata* (Haworth, 1809)**

SIX-STRIPED RUSTIC

Synonymy: in *Amathes* in Baynes (1964).

***xanthographa* (Denis and Schiffermüller, 1775)**

SQUARE-SPOT RUSTIC

Synonymy: in *Amathes* in Baynes
(1964).

***agathina agathina* (Duponchel,
1827)**

HEATH RUSTIC

Synonymy: in *Amathes* in Baynes
(1964).

Footnote: aside from the nominate, this
species is represented in Britain by
agathina hebridicola (Staudinger, 1901)
from the Hebrides.

NAENIA STEPHENS, 1827

***typica* (Linnaeus, 1758)**

THE GOTHIC

EUROIS HÜBNER, 1821

***occulta* (Linnaeus, 1758)**

GREAT BROCADE

Footnote: specimens from Co. Dublin
examined by R. A. French, Rothamstead,
were considered to be the Continental
form of the insect (Baynes (1964)).

Migrant (also resident in Great Britain).
Holarctic.

**ANAPLECTOIDES MCDUNNOUGH,
1929**

***prasina* (Denis and Schiffermüller,
1775)**

GREEN ARCHES

CERASTIS OCHSENHEIMER, 1816

***rubricosa* (Denis and
Schiffermüller, 1775)**

RED CHESTNUT

HADENINAE

**ANARTA OCHSENHEIMER,
1816**

***myrtilli* (Linnaeus, 1761)**

BEAUTIFUL YELLOW

UNDERWING

DISCESTRA HAMPSON, 1905

***trifolii* (Hufnagel, 1766)**

THE NUTMEG

Footnote: no Irish examples in the
National Museum in Dublin
(Baynes, 1964) but mapped by
Bretherton *et al.* (1979). Myers
(1979c).

Resident and migrant. Holarctic.

HADA BILLBERG, 1820

***plebeja* (Linnaeus, 1761)**

THE SHEARS

Synonymy: *nana* Hufn. in Baynes
(1964).

POLIA OCHSENHEIMER, 1816

***bombycina* (Hufnagel, 1766)**

PALE SHINING BROWN

Synonymy: *nitens* Haw. in Baynes
(1964).

Former resident, probably extinct.

Europe - Asia.

nebulosa (Hufnagel, 1766)

GREY ARCHES

SIDERIDIS HÜBNER, 1821

albicolon (Hübner, 1813)

WHITE COLON

Synonymy: in *Heliophobus* in Baynes (1964).

HELIOPHOBUS BOISDUVAL, 1828

reticulata hibernica Cockayne, 1944

BORDERED GOTHIC

Synonymy: *calcatrippae hibernica*

Cockayne in Baynes (1964).

Footnote: the nominate, *reticulata*

(Goeze, 1781), is not found in the British Isles where the species is represented by

two sub-species viz. *marginosa*

(Haworth, 1809) in South England

(chiefly East Anglia), South Wales and

hibernica Cockayne, 1944 - South

Ireland; coastal and estuarine.

MAMESTRA OCHSENHEIMER, 1816

brassicae (Linnaeus, 1758)

CABBAGE MOTH

MELANCHRA HÜBNER, 1820

Synonymy: *Ceramica* Guenée, 1852.

persicariae (Linnaeus, 1761)

THE DOT

pisi (Linnaeus, 1758)

BROOM MOTH

Synonymy: in *Ceramica* in Baynes (1964).

Footnote: Kane (1901) discusses variation in this species at length.

LACANOBIA BILLBERG, 1820

contigua (Denis and

Schifferrmüller, 1775)

BEAUTIFUL BROCADE

Synonymy: in *Hadena* in Baynes (1964).

thalassina (Hufnagel, 1766)

PALE-SHOULDERED BROCADE

Synonymy: in *Hadena* in Baynes (1964).

Footnote: Kane (1901) discusses variation in this species at length.

suasa (Denis and

Schifferrmüller, 1775)

DOG'S TOOTH

Synonymy: in *Hadena* in Baynes (1964).

oleracea (Linnaeus, 1758)

BRIGHT-LINE BROWN-EYE

Synonymy: in *Diataraxia* in Baynes (1964).

PAPESTRA SUKHAREVA, 1973

Footnote: = *Lacanobia* partim.

***biren* (Goeze, 1781)**

GLAUCCUS SHEARS

Synonymy: *Hadena bombycina* Hüfn. in Baynes (1964).

HECATERA GUENÉE, 1852

***bicolorata* (Hufnagel, 1766)**

BROAD-BARRED WHITE

Synonymy: in *Hadena* in Baynes (1964).

HADENA SCHRANK, 1802

***rivularis* (Fabricius, 1775)**

THE CAMPION

***perplexa capsophila* (Duponchel, 1842)**

POD LOVER

Synonymy: *lepida capsophila* Dup. in Baynes (1964).

Footnote: this species is represented by two sub-species in the British Isles viz. the nominate, *perplexa* (Denis and Schifferrmüller, 1775):-England and Wales, Southern Scotland, Isle of Wight and *capsophila* (Duponchel, 1842):-South-West England, Western Wales, Southern Scotland (Ayrshire), Inner Hebrides, Isle of Man (protected) and Ireland (Aran Islands). The subspecies *capsophila* may be an ecotype, it is mainly coastal.

***luteago barrettii* (Doubleday, 1864)**

BARRETT'S MARBLED

CORONET

Synonymy: *barrettii* Doubl. in Baynes, (1964).

***confusa* (Hufnagel, 1766)**

MARBLED CORONET

Synonymy: *conspersa* Schiff in Baynes (1964).

***bicruris* (Hufnagel, 1766)**

THE LYCHNIS

***caesia mananii* (Gregson, 1866)**

THE GREY

Footnote: the nominate, *caesia caesia* (Denis and Schifferrmüller), occurs in Continental Europe. In the British Isles, the species is represented by *caesia mananii* (Gregson, 1866).

CERAPTERYX CURTIS, 1833

***graminis* (Linnaeus, 1758)**

ANTLER MOTH

ssp. (as var.) *hibernicus*

Curtis, 1833

THOLERA HÜBNER, 1821

***cespitis* (Denis and**

Schifferrmüller, 1775)

HEDGE RUSTIC

decimalis (Poda, 1761)

FEATHERED GOTHIC

Synonymy: *popularis* Fab. in Baynes (1964).

PANOLIS HÜBNER, 1821

flammea (Denis and Schiffermüller, 1775)

PINE BEAUTY

ORTHOSIA OCHSENHEIMER, 1816

cruda (Denis and Schiffermüller, 1775)

SMALL QUAKER

miniosa (Denis and Schiffermüller, 1775)

BLOSSOM UNDERWING

Resident and sporadic migrant.

opima (Hübner, 1809)

NORTHERN DRAB

Synonymy: *advena* Schiff. in Baynes (1964).

+ *populeti* (Fabricius, 1781)

LEAD-COLOURED DRAB

Footnote: added by Chalmers-Hunt (1982), also recent records from Co. Fermanagh.

gracilis (Denis and Schiffermüller, 1775)

POWDERED QUAKER

cerasi (Fabricius, 1775)

COMMON QUAKER

Synonymy: *stabilis* Schiff. in Baynes (1964).

incerta (Hufnagel, 1766)

CLOUDED DRAB

munda (Denis and Schiffermüller, 1775)

TWIN-SPOTTED QUAKER

gothica (Linnaeus, 1758)

HEBREW CHARACTER

MYTHIMNA OCHSENHEIMER, 1816

Footnote: = *Leucania*

Ochsenheimer, 1816 partim. = *Senta* Stephens, 1834.

conigera (Denis and Schiffermüller, 1775)

BROWN-LINE BRIGHT-EYE

Synonymy: in *Leucania* in Baynes (1964).

ferrago (Fabricius, 1787)

THE CLAY

Synonymy: *Leucania lithargyria* Esp. in Baynes (1964).

+ *albipuncta* (Denis and Schiffermüller, 1775)

WHITE-POINT

Footnote: added by Myers (1981).

Rare, Southern Ireland (Bradley, 2000).

Migrant and transitory resident.

***vitellina* (Hübner, 1808)**

THE DELICATE

Synonymy: in *Leucania* in Baynes (1964).

Breeding migrant.

***pudorina* (Denis and
Schifferrmüller, 1775)**

STRIPED WAINSCOT

Synonymy: in *Leucania* in Baynes (1964).

***straminea* (Treitschke, 1825)**

SOUTHERN WAINSCOT

Synonymy: in *Leucania* in Baynes (1964).

***impura* (Hübner, 1808)**

SMOKY WAINSCOT

Synonymy: in *Leucania* in Baynes (1964).

***impura forma scotica* Cockayne,
1944**

Footnote: *impura f. scotia* was described from Scotland.

***pallens* (Linnaeus, 1758)**

COMMON WAINSCOT

Synonymy: in *Leucania* in Baynes (1964).

***litoralis* (Curtis, 1827)**

SHORE WAINSCOT

Synonymy: in *Leucania* in Baynes (1964).

***unipuncta* (Haworth, 1809)**

AMERICAN WAINSCOT,
WHITE-SPECK

Synonymy: in *Leucania* in Baynes (1964).

Sporadic migrant from Europe and the Atlantic Islands and transitory resident.

***comma* (Linnaeus, 1761)**

SHOULDER-STRIPED
WAINSCOT

Synonymy: in *Leucania* in Baynes (1964).

***loreyi* (Duponchel, 1827)**

THE COSMOPOLITAN

Synonymy: in *Leucania* in Baynes (1964).

Sporadic migrant.

CUCULLIINAE

***CUCULLIA* SCHRANK, 1802**

***absinthii* (Linnaeus, 1761)**

THE WORMWOOD

***chamomillae* (Denis and
Schifferrmüller, 1775)**

CHAMOMILE SHARK

***umbratica* (Linnaeus, 1758)**

THE SHARK

**SHARGACUCULLIA Ronkay and
Ronkay, 1992**

verbasci (Linnaeus, 1758)

THE MULLEIN

BRACHYLOMIA HAMPSON, 1906

Footnote: = *Cleoceris* Duponchel, 1837
partim.

viminalis (Fabricius, 1777)

MINOR SHOULDER-KNOT

Synonymy: in *Bombycia* in Baynes
(1964).

ASTEROSCOPIUS BOISDUVAL, 1828

sphinx (Hufnagel, 1766)

THE SPRAWLER

Synonymy: in *Brachionycta* in Baynes
(1964).

Footnote: see Allen and Thompson
(2001).

DASYPOLIA GUENÉE, 1852

templi (Thunberg, 1792)

BRINDLED OCHRE

APOROPHYLA GUENÉE, 1841

australis pascuea (Humphreys and
Westwood, 1843)

FEATHERED BRINDLE

Footnote: the nominate is found in

Continental Europe only. The
British Isles subspecies is *pascuea*
(Humphreys and Westwood, 1843).

lueneburgensis (Freyer, 1848)

NORTHERN DEEP-BROWN

DART

Synonymy: *lutulenta*

lueneburgensis Freyer in Baynes
(1964).

Footnote: sub-species of *lutulenta*
(Denis and Schiffermüller, 1775)
according to some authors. Bradley
(2000) says "Possibly a sibling or
ecotype of *lutulenta*".

Footnote: Deep-brown Dart in
Baynes (1964).

nigra (Haworth, 1809)

BLACK RUSTIC

LITHOPHANE HÜBNER, 1821

socia (Hufnagel, 1766)

PALE PINION

Synonymy: *hepatica* sensu auctt.

Resident and suspected migrant.

ornitopus lactipennis (Dadd,
1911)

GREY SHOULDER-KNOT

Synonymy: the authority is given as
Dodd in Baynes (1964).

Footnote: the nominate occurs in Continental Europe only. The British Isles subspecies is *lactipennis* (Dadd, 1911).

XYLENA OCHSENHEIMER, 1816

vetusta (Hübner, 1813)

RED SWORD-GRASS

Resident and migrant.

exsoleta (Linnaeus, 1758)

THE SWORD-GRASS

Resident and sporadic migrant.

XYLOCAMPA GUENÉE, 1837

areola (Esper, 1789)

EARLY GREY

ALLOPHYES TAMS, 1942

oxyacanthae (Linnaeus, 1758)

GREEN-BRINDLED CRESCENT

DICHONIA HÜBNER, 1821

aprilina (Linnaeus, 1758)

MERVEILLE DU JOUR

Synonymy: in *Griposia* in Baynes (1964).

Resident and suspected migrant.

DRYOBOTODES WARREN, 1910

eremita (Fabricius, 1775)

BRINDLED GREEN

MNIOTYPE FRANCLEMONT, 1941

adusta (Esper, 1790)

DARK BROCADE

Synonymy: in *Eumichtis* in Baynes (1964).

ANTITYPE HÜBNER, 1821

chi (Linnaeus, 1758)

THE GREY CHI

POLYMIXIS HÜBNER, 1820

+ *xanthomista statices*

(Gregson, 1869)

BLACK-BANDED

Synonymy: *Antitype* Hübner, 1821.

Footnote: Demuth (1971).

Footnote: *Eumichitis* Hübner partim.

Footnote: nominate not found in the British Isles, Continental Europe only.

lichenea lichenea (Hübner, 1813)

FEATHERED RANUNCULUS

Synonymy: in *Eumichtis* in Baynes (1964).

Footnote: there are two sub-species in the British Isles viz. the nominate and *scillonea* Richardson, 1958 (from the Scilly Isles).

Footnote: see Allen and Thompson (2001).

ACRONICTINAE

EUPSILIA HÜBNER, 1821

transversa (Hufnagel, 1766)

THE SATELLITE

Footnote: varies as in Great Britain.

CONISTRA HÜBNER, 1821

vaccinii (Linnaeus, 1761)

THE CHESTNUT

ligula (Esper, 1791)

DARK CHESTNUT

AGROCHOLA HÜBNER, 1821

circellaris (Hufnagel, 1766)

THE BRICK

lota (Clerck, 1759)

RED-LINE QUAKER

macilenta (Hübner, 1809)

YELLOW-LINE QUAKER

helvola (Linnaeus, 1758)

FLOUNCED CHESTNUT

Synonymy: in *Anschoscelis* in Baynes (1964).

+ *litura* (Linnaeus, 1761)

BROWN-SPOT PINION

Footnote: to be added to the Irish list by Hughes *et al.* Collected in Northern Ireland, Murphy, 1996.

lychnidis (Denis and

Schifferrmüller, 1775)

BEADED CHESTNUT

ATETHMIA HÜBNER, 1821

centrago (Haworth, 1809)

CENTRE-BARRED SALLOW

Synonymy: *xeramprelina* in Baynes (1964).

OMPHALOSCELIS HAMPSON, 1906

lunosa (Haworth, 1809)

LUNAR UNDERWING

Footnote: a very variable species and all the known forms are represented in Ireland.

XANTHIA OCHSENHEIMER, 1816

togata (Esper, 1788)

PINK-BARRED SALLOW

Synonymy: *Citrea lutea* Ström. in Baynes (1964).

icteritia (Hufnagel, 1766)

THE SALLOW

Synonymy: in *Cirrhia* in Baynes (1964).

ACRONICTA

OCHSENHEIMER, 1816

megacephala (Denis and

Schifferrmüller, 1775)

POPLAR GREY

Synonymy: in *Apatele* in Baynes (1964).

***aceris* (Linnaeus, 1758)**

THE SYCAMORE

Synonymy: in *Apatele* in Baynes (1964).

***leporina* (Linnaeus, 1758)**

THE MILLER

Synonymy: in *Apatele* in Baynes (1964).

***alni* (Linnaeus, 1767)**

ALDER MOTH

Synonymy: in *Apatele* in Baynes (1964).

[*tridens* (Denis and Schiffermüller, 1775)

DARK DAGGER

Synonymy: in *Apatele* in Baynes (1964).

In need of confirmation.]

***psi* (Linnaeus, 1758)**

GREY DAGGER

Synonymy: in *Apatele* in Baynes (1964).

***menyanthidis menyanthidis* (Esper, 1789)**

LIGHT KNOT GRASS

Synonymy: in *Apatele* in Baynes (1964).

Footnote: Bradley (2000) lists two subspecies *viz.* the nominate (Central England: North Norfolk, Gloucestershire; South-East Scotland; Wales; Northern Ireland) and *scotica* Tutt, 1888 (South-West, Central and North Scotland, Hebrides).

***euphorbiae myrica* Guenée, 1852**

SWEET GALE MOTH

Synonymy: in *Apatele* in Baynes (1964).

Footnote: the nominate is not found in the British Isles (Continental Europe).

***rumicis* (Linnaeus, 1758)**

KNOT GRASS

Synonymy: in *Apatele* in Baynes (1964).

***CRANIOPHORA* SNELLEN, 1867**

***ligustri* (Denis and Schiffermüller, 1775)**

THE CORONET

Footnote: see Allen and Thompson (2001).

BRYOPHILINAE

***CRYPHIA* HÜBNER, 1818**

***domestica* (Hufnagel, 1766)**

MARBLED BEAUTY

Synonymy: *perla* Schiff. in Baynes (1964).

***muralis muralis* (Forster, 1771)**

MARBLED GREEN

Footnote: the urban colour form *impar* Warren, 1884 has not been reported from Ireland but several

colour forms close to it have been (see Baynes (1964)).

muralis **forma westropi** Cockayne
and Williams, 1956

WESTROPP'S MARBLED GREEN

Footnote: Southern Ireland only and not in Britain. Cork: a diminutive variable form common on the city harbour walls.

AMPHIPYRINAE

AMPHIPYRA OCHSENHEIMER,
1816

pyramidea (Linnaeus, 1758)

COPPER UNDERWING

Footnote: identification, see Clancy (1997).

+ *berbera svenssoni* Fletcher, 1968

SVENSSON'S COPPER UNDERWING

Footnote: for identification see Fletcher (1968) and Owen (1993). Added by Wedd (2000). The nominate is not found in the British Isles (Continental Europe only).

tragopoginis (Clerck, 1759)

THE MOUSE, MOUSE MOTH

MORMO OCHSENHEIMER, 1816

maura (Linnaeus, 1758)

THE OLD LADY

RUSINA STEPHENS, 1829

ferruginea (Esper, 1785)

BROWN RUSTIC

THALPOPHILA HÜBNER, 1820

matura (Hufnagel, 1766)

STRAW UNDERWING

EUPLEXIA STEPHENS, 1829

lucipara (Linnaeus, 1758)

SMALL ANGLE SHADES

PHLOGOPHORA

TREITSCHKE, 1825

meticulosa (Linnaeus, 1758)

ANGLE SHADES

SCÁTH UILLEACH

Resident and migrant.

IPIMORPHA HÜBNER, 1821

subtusa (Denis and

Schiffermüller, 1775)

THE OLIVE

Synonymy: in *Zenobia* in Baynes (1964).

Footnote: a mainly Northern species. Recent records.

PARASTICHTIS HÜBNER, 1821

suspecta (Hübner, 1817)

THE SUSPECTED

Resident and sporadic migrant.

ypsillon (Denis and

Schiffermüller, 1775)

DINGY SHEARS

Synonymy: in *Apamaea* in Baynes (1964).

Footnote: previously in *Enargia* Hübner, 1821.

COSMIA OCHSENHEIMER, 1816

+ *affinis* (Linnaeus, 1767)

LESSER-SPOTTED PINION

Footnote: there is a specimen in NMI, taken by Hart (1893, Howth, Dublin).

trapezina (Linnaeus, 1758)

THE DUN-BAR

HYPPA DUPONCHEL, 1845

rectilinea (Esper, 1788)

THE SAXON

APAMEA OCHSENHEIMER, 1816

monoglypha (Hufnagel, 1766)

DARK ARCHES

lithoxylea (Denis and

Schifferrmüller, 1775)

LIGHT ARCHES

Footnote: the possibilities for much past confusion here are evident in the synonymy - there are two *lithoxylea*'s in *Apamea*. One is Hübner's variety of *sublustris* Esper, the other Denis and Schifferrmüller's *lithoxylea*. To add to this confusion, Kane attributed *lithoxylea* to Fabricius.

sublustris (Esper, 1788)

REDDISH LIGHT ARCHES

Footnote: see under previous species.

oblonga (Haworth, 1809)

CRESCENT STRIPED

crenata (Hufnagel, 1766)

CLOUDED-BORDERED

BRINDLE

epomidion (Haworth, 1809)

CLOUDED BRINDLE

Footnote: = *characteraea* auctorum nec (Hübner, 1800-03).

furva britannica Cockayne,

1950

THE CONFUSED

Footnote: Bradley (2000) states that the nominate form *furva* (Denis and Schifferrmüller, 1775) is non-British [Isles] i.e. Continental Europe only.

The British Isles subspecies is *britannica* Cockayne, 1950.

remissa (Hübner, 1809)

DUSKY BROCADE

unanimis (Hübner, 1813)

SMALL CLOUDED BRINDLE

anceps (Denis and

Schifferrmüller, 1775)

LARGE NUTMEG

Synonymy: *infesta* Ochs. in Baynes (1964).

***sordens* (Hufnagel, 1766)**

RUSTIC SHOULDER-KNOT

+ *scolopacina* (Esper, 1788)

SLENDER BRINDLE

Footnote: Allen and Thompson (2001).

***ophiogramma* (Esper, 1794)**

THE DOUBLE LOBED

OLIGIA HÜBNER, 1821

***strigilis* (Linnaeus, 1758)**

MARBLED MINOR

Synonymy: in *Procus* in Baynes (1964).

Footnote: determination requires the genitalic examination of either sex.

Footnote: Irish distribution in Bond (2005b).

***versicolor* (Borkhausen, 1792)**

RUFIOUS MINOR

Synonymy: in *Procus* in Baynes (1964).

Footnote: determination requires the genitalic examination of either sex.

There are confirmed (genitalic) records from eight Irish counties.

Footnote: Irish distribution in Bond (2005b).

***latruncula* (Denis and Schiffermüller, 1775)**

TAWNY MARBLED MINOR

Synonymy: in *Procus* in Baynes (1964).

Footnote: determination requires the genitalic examination of either sex. Based on genitalic examination, this species appears to be fairly widespread over Ireland. Footnote: Irish distribution in Bond (2005b).

***fasciuncula* (Haworth, 1809)**

MIDDLE-BARRED MINOR

Synonymy: in *Procus* in Baynes (1964).

Footnote: "The ruddy type [the reddish form most often encountered in England] appears to be somewhat localised, and is not so frequently met with as the muddy grey form named var. *pallida* Tutt" (Kane, 1901), otherwise not a problem species.

MESOLIGIA BOURSIN, 1965

***furuncula* (Denis and Schiffermüller, 1775)**

CLOAKED MINOR

Synonymy: in *Procus* in Baynes (1964).

Footnote: Irish specimens are generally very dwarfed, and are frequently unicolorous, always faintly marked and coloured. The most numerous form seems to be the var. *albicans* Tutt (Kane, 1901).

***literosa* (Haworth, 1809)**

ROSY MINOR

Synonymy: in *Procus* in Baynes (1964).

MESAPAMEA HEINICKE, 1959

***secalis* (Linnaeus, 1758)**

COMMON RUSTIC

ODHRÓG CHOITEANN

Synonymy: in *Apamaea* in Baynes (1964).

Footnote: genitalic determinations indicate that it is common and generally distributed.

+ *didyma* (Esper, 1788)

LESSER COMMON RUSTIC

Footnote: = *secalella* Remm, 1983.

Footnote: genitalic determinations indicate that it is common and generally distributed.

PHOTEDES LEDERER, 1857

***captiuncula tincta* (Kane, 1895)**

KANE'S LEAST MINOR

Synonymy: *Phothedes* (misspelling) *captiuncula* Treit. in Baynes (1964).

Footnote: Least Minor in Baynes (1964).

Endemic. Western Ireland: Clare and South-East Galway (the "Burren") and Mayo.

***minima* (Haworth, 1809)**

SMALL DOTTED BUFF

Synonymy: in *Petilampa* in Baynes (1964).

CHORTODES TUTT, 1837

Synonymy: *Photedes* partim.

***pygmina* (Haworth, 1809)**

SMALL WAINSCOT

Synonymy: in *Arenostola* in Baynes (1964).

LUPERINA BOISDUVAL, 1828

***testacea* (Denis and**

Schifferrmüller, 1775)

FLOUNCED RUSTIC

***nickerlii knilli* Boursin, 1964**

IRISH SANDHILL RUSTIC

Synonymy: *Luperina nickerlii* Freyer in Baynes (1964) but this author notes "the Irish insects are much darker in colour than the English subspecies *gueneei* Doubl."

Footnote: Sandhill Rustic in Baynes (1964).

Footnote: Knill-Jones (1965).

Footnote: Bradley (2000) lists four subspecies (besides the nominate which only occurs in Continental Europe).

These are:- *guenéei* Doubleday, 1864 on sand couch (*Elytrigia juncea*) (North-West England: Lancs., Formby; North Wales and Anglesey); *leechi* Goater, 1976 also on sand couch (*E. juncea*) (South-West England: West Cornwall, south coast); *demuthi* Goater and Skinner, 1995 on common salt-marsh grass (*Puccinellia maritima*) (South-East England: North Kent, Essex. South-East Suffolk.); *knilli* Boursin, 1964 on ? Red fescue (*Festuca rubra*) (South-West Ireland: Kerry, Dingle peninsula).

Footnote: *knilli* is Atlantico-Mediterranean in distribution, being also recorded on the coast and inland in Portugal, Spain, western and central France, in the Pyrenees and French Alps, and in south-west Germany (Bretherton *et al.*, 1983).

AMPHIPOEA BILLBERG, 1820

lucens (Freyer, 1845)

LARGE EAR

Synonymy: in *Hydraecia* in Baynes (1964).

Footnote: genitalic determination.

+ *fucosa paludis* (Tutt, 1888)

SALTERN EAR

Footnote: Bretherton *et al.* (1983); Bond (1984a).

crinanensis (Burrows, 1908)

CRINAN EAR

Synonymy: in *Hydraecia* in Baynes (1964).

oculea (Linnaeus, 1761)

THE EAR MOTH

Synonymy: in *Hydraecia* in Baynes (1964).

HYDRAECIA GUENÉE, 1841

micacea (Esper, 1789)

ROSY RUSTIC

Synonymy: in *Gortyna* in Baynes (1964).

GORTYNA OCHSENHEIMER, 1816

flavago (Denis and Schiffermüller, 1775)

FROSTED ORANGE

CALAMIA HÜBNER, 1821

tridens occidentalis Cockayne, 1954

THE BURREN GREEN

Footnote: Cockayne (1954b).

Footnote: confined, within the British Isles, to Ireland. The nominate, *tridens tridens*, occurs in Continental Europe.

CELAENA STEPHENS, 1829

haworthii (Curtis, 1829)

HAWORTH'S MINOR

Footnote: *Celaena haworthii* var.

hibernica Stephens, 1829 is no longer recognised as a sub-species.

leucostigma leucostigma (Hübner, 1808)

THE CRESCENT

Synonymy: *Celaena leucostigma* Hübn. in Baynes (1964).

Footnote: Bradley (2000) lists two sub-species of this insect viz. the nominate and *scotica* Cockayne, 1944. North Scotland and Hebrides. Resident and sporadic migrant.

NONAGRIA OCHSENHEIMER, 1816

typhae (Thunberg, 1784)

BULRUSH WAINSCOT

ARCHANARA WALKER, 1866

+ *geminipuncta* (Haworth, 1809)

TWIN-SPOTTED WAINSCOT

Footnote: Bond (1992b).

sparganii (Esper, 1790)

WEBB'S WAINSCOT

Synonymy: in *Nonagria* in Baynes (1964).

algae (Esper, 1789)

RUSH WAINSCOT

Synonymy: in *Nonagria* in Baynes (1964).

RHIZEDRA WARREN, 1911

lutosa (Hübner, 1803)

LARGE WAINSCOT

COENOBIA STEPHENS, 1850

rufa (Haworth, 1809)

SMALL RUFOUS

CHARANYCA BILLBERG, 1820

trigrammica (Hufnagel, 1766)

TREBLE LINES

Synonymy: in *Meristis* in Baynes (1964).

HOPLODRINA BOURSIN, 1937

alsines (Brahm, 1791)

THE UNCERTAIN

Synonymy: in *Caradrina* in Baynes (1964).

blanda (Denis and

Schifferrmüller, 1775)

THE RUSTIC

Synonymy: in *Caradrina* in Baynes (1964).

+ *ambigua* (Denis and

Schifferrmüller, 1775)

VINE'S RUSTIC

Footnote: Agassiz (1977); Myers (1979a).

Footnote: Rathlin Island, 2002, M. Hughes pers. comm.

Migrant.

SPODOPTERA GUENÉE, 1852

exigua (Hübner, 1808)

SMALL MOTTLED WILLOW

Synonymy: in *Laphygma* in Baynes (1964).

Migrant. Canary Islands – Mediterranean - tropics.

CARADRINA OCHSENHEIMER, 1816

morpheus (Hufnagel, 1766)

MOTTLED RUSTIC

PARADRINA BOURSIN, 1937

clavipalpis (Scopoli, 1763)

PALE MOTTLED WILLOW

Synonymy: in *Caradrina* in Baynes (1964).

Footnote: status change, formerly a sub-genus of *Caradrina*.

CHILODES HERRICH-SCHÄFFER, 1849

+ *maritimus* (Tauscher, 1806)

Footnote: Bond (1994).

SILKY WAINSCOT

STILBIA STEPHENS, 1829

anomala (Haworth, 1812)

THE ANOMALOUS

STIRIINAE

PANEMERIA HÜBNER, 1823

tenebrata (Scopoli, 1763)

SMALL YELLOW UNDERWING

HELIOTHINAE

PYRRHIA HÜBNER, 1821

umbra (Hufnagel, 1766)

BORDERED SALLOW

HELICOVERPA HARDWICK, 1965

armigera armigera (Hübner, 1808)

OLD WORLD BOLLWORM,

SCARCE BORDERED STRAW

Synonymy: in *Heliothis* in Baynes (1964).

Adventive, imported with fruit and flowers and autumnal breeding migrant.

HELIOTHIS OCHSENHEIMER, 1816

peltigera (Denis and Schiffermüller, 1775)

BORDERED STRAW

Sporadic migrant and transitory resident. Atlantic Islands - South

Europe -Mediterranean - Africa - Asia.

SCHINIA HÜBNER 1818

scutosa (Denis and Schiffermüller, 1775)

SPOTTED CLOVER

Synonymy: in *Protoschinia* in many older and recent continental works; in *Heliothis* in Baynes (1964).

Footnote: the single record given in Baynes (1964) has been accepted by most authorities.

Sporadic migrant. Holarctic.

EUSTROTIINAE

EUBLEMMA HÜBNER, 1821

ostrina (Hübner, 1808)

PURPLE MARBLED

Sporadic breeding migrant. Atlantic Islands - North Africa, Central and South. Europe.

parva (Hübner, 1808)

SMALL MARBLED

Sporadic breeding migrant. South Europe – North Africa - India.

PRODELTOE UEDA, 1984

pygarga (Hufnagel, 1766)

MARBLED WHITE SPOT

Synonymy: *Lithacodia fasciana* L. in Baynes (1964).

Footnote: Allen and Thompson (2001).

DELTOTE REICHENBACH, 1817

Synonymy: *Eustrotia* Hübner, 1821 and *Lithacodia* auctorum.

uncula (Clerck, 1759)

SILVER HOOK

Synonymy: in *Eustrotia* in Baynes (1964).

bankiana (Fabricius, 1775)

SILVER BARRED

Synonymy: in *Eustrotia* in Baynes (1964).

Suspected migrant, transitory resident.

EARIADINAE

EARIAS HÜBNER, 1825

clorana (Linnaeus, 1761)

CREAM-BORDERED GREEN

PEA

CHLOEPHORINAE

PSEUDOIPS HÜBNER, 1822

prasinana britannica Warren, 1913

GREEN SILVER LINES

Synonymy: *Bena fagana* Fab. in Baynes (1964).

Footnote: the nominate subspecies occurs in Continental Europe.

NYCTEOLA HÜBNER, 1822

***revayana* (Scopoli, 1772)**

OAK NYCTEOLINE

Footnote: *Nycteola* (*Sarrothrips*)

degenerana is now considered a separate species. Kane's (1901) two Irish specimens published under this name, if correctly identified, would, then be additions to the Irish list. This is unlikely, though, since the species is known as British from only two specimens (Skinner, 1984).

PANTHEINAE

***COLOCASIA* OCHSENHEIMER, 1816**

***coryli* (Linnaeus, 1758)**

NUT-TREE TUSOCK

PLUSIINAE

***CHRYSODEIXIS* HÜBNER, 1821**

+ *acuta* (Walker, 1858)

TUNBRIDGE WELLS GEM

Sporadic migrant.

Possible adventive. Atlantic Islands – Afrotropics – Australasia.

Footnote: Langton (2004).

***TRICHOPLUSIA* MCDUNNOUGH, 1944**

***ni* (Hübner, 1803)**

THE NI MOTH

Synonymy: in *Plusia* in Baynes (1964).

Breeding migrant. Atlantic Islands - Southern Europe - tropics.

***THYSANOPLUSIA* ICHINOSE, 1973**

***orichalcea* (Fabricius, 1775)**

SLENDER BURNISHED BRASS

Synonymy: in *Plusia* in Baynes (1964).

Synonymy: in *Diachrysia* in Myers (1981) and Allen (1990b).

Sporadic migrant (Four Irish records) and adventive. Atlantic Islands - South Europe - Afrotropics - South-East. Asia.

***DIACHRYSLIA* HÜBNER, 1821**

***chrysitis* (Linnaeus, 1758)**

BURNISHED BRASS

PRÁSACH

Synonymy: in *Plusia* in Baynes (1964).

***POLYCHRYSLIA* HÜBNER, 1821**

***moneta* (Fabricius, 1787)**

GOLDEN PLUSIA

***EUCHALCIA* HÜBNER, 1821**

***variabilis* (Piller and Mitterpacher, 1783)**

PURPLE-SHADED GEM

Synonymy: in *Plusia* in Baynes (1964).

Footnote: adventive/vagrant migrant known only from from South England (South Wiltshire, Salisbury Plain, several specimens) and one from east Ireland: Wicklow, August 1887 (Carpenter (1889) as *Plusia illustris* (misidentification)).

Adventive/vagrant migrant. Central and South Europe.

PLUSIA OCHSENHEIMER, 1816

festucae (Linnaeus, 1758)

GOLD SPOT

+ *putnami gracilis* (Lempke, 1966)

LEMPKE'S GOLD SPOT

Footnote: added by Skinner (1990).

Now known from Cos Cork and Kerry.

AUTOGRAPHA HÜBNER, 1821

gamma (Linnaeus, 1758)

SILVER Y

Synonymy: in *Plusia* in Baynes (1964).

Regular migrant, summer transitory resident. Holarctic, but migrants chiefly from Europe, North Africa and the Atlantic Islands.

pulchrina (Haworth, 1809)

BEAUTIFUL GOLDEN Y

Synonymy: in *Plusia* in Baynes (1964).

jota (Linnaeus, 1758)

PLAIN GOLDEN Y

Synonymy: *Plusia iota* L. in Baynes (1964).

bractea (Denis and Schiffermüller, 1775)

THE GOLD SPANGLE

Synonymy: in *Plusia* in Baynes (1964).

SYNGRAPHA HÜBNER, 1821

interrogationis (Linnaeus, 1758)

SCARCE SILVER Y

Synonymy: in *Plusia* in Baynes (1964).

Resident and sporadic migrant. Holarctic.

ABROSTOLA

OCHSENHEIMER, 1816

triplasia (Linnaeus, 1758)

DARK SPECTACLE

Synonymy: *Unca trigemina* in Baynes (1964).

Footnote: see footnote under *tripartita* (THE SPECTACLE below).

tripartita (Hufnagel, 1766)

THE SPECTACLE

Synonymy: *Unca triplasia* L. in Baynes (1964).

Footnote: the synonymy here is complex and confusing, beginning with the name *triplasia* being used in different senses by Linnaeus then Hufnagel. Subsequent authors' attempts to correct matters only made things worse (see Mikkola and Honey, 1993). Records and statements based on the scientific names alone should be treated with caution.

CATACOLINAE

CATOCALA SCHRANK, 1802

fraxini (Linnaeus, 1758)

CLIFDEN NONPAREIL

Footnote: 19th century records only.

Sporadic migrant and transitory resident (Britain).

nupta (Linnaeus, 1767)

RED UNDERWING

Footnote: Passage West, Co. Cork, 16 September 1906, only record see Baynes (1964).

THRIA WALKER, 1858

+ *robusta* Walker, 1857

Synonymy: *Pandesma anysa* auctorum.

Footnote: Dundrum, Co. Down. Autumn on grapes, det. B. Skinner (Maurice Hughes pers. comm.). Second British Isles record.

Adventive.

MINUCIA MOORE, 1885

lunaris (Denis and

Schiffermüller, 1775)

LUNAR DOUBLE-STRIPE

Footnote: most authors have accepted the authenticity of the Bouchard record (the third from the British Isles - 1864).

Sporadic migrant and transitory resident (Britain).

CALLISTEGE HÜBNER, 1823

mi (Clerck, 1759)

MOTHER SHIPTON

Synonymy: in *Euclidimera* in Baynes (1964).

EUCLIDIA OCHSENHEIMER, 1816

glyphica (Linnaeus, 1758)

BURNET COMPANION

Synonymy: in *Ectypa* in Baynes (1964).

OPHIDERINAE

SCOLIOPTERYX GERMAR, 1811

libatrix (Linnaeus, 1758)

THE HERALD

PHYTOMETRA HAWORTH, 1809

viridaria (Clerck, 1759)

SMALL PURPLE-BARRED

RIVULINAE

RIVULA GUENÉE, 1845

sericealis (Scopoli, 1763)

THE STRAW DOT

HYPENINAE

HYPENA SCHRANK, 1802

crassalis (Fabricius, 1787)

BEAUTIFUL SNOOT

Synonymy: in *Bomolocha* in Baynes (1964).

Footnote: Allen and Thompson, (2001).

proboscidalis (Linnaeus, 1758)

THE SNOOT

obsitalis (Hübner, 1813)

BLOXWORTH SNOOT

Footnote: a single Cork record from 1936 in Baynes (1964).

Sporadic migrant and colonist. Europe - Asia.

STREPSIMANINAE

SCHRANKIA HÜBNER, 1825

+ *taenialis* (Hübner, 1809)

WHITE-LINE SNOOT

Footnote: recent record Allen and Thompson (2001).

costaestrigalis (Stephens, 1834)

PINION-STREAKED SNOOT

Footnote: recent record in Allen and Thompson (2001).

HYPENODES DOUBLEDAY, 1850

humidalis Doubleday, 1850

MARSH OBLIQUE-BARRED

Synonymy: *turfosalis* Wocke in Baynes (1964).

Footnote: recent record in Allen and Thompson (2001).

PECHIPOGO HÜBNER, 1825

strigilata (Linnaeus, 1758)

COMMON FAN-FOOT

Synonymy: *Herminia barbalis* Clerck in Baynes (1964).

Footnote: very rare.

ZANCLOGNATHA LEDERER, 1857

tarsipennalis (Treitschke, 1835)

THE FAN-FOOT

HERMINIA LATREILLE, 1802

grisealis (Denis and Schiffermüller, 1775)

SMALL FAN-FOOT

Synonymy: *Zanclognatha nemoralis* Fab. in Baynes (1964).

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<i>ADAINA</i>	72	<i>AGROTIS</i>	111	(Threlfall)	41
<i>ADELA</i>	12	<i>ALABONIA</i>	35	<i>alsines</i> (Brahm)	129
<i>adjunctella</i> Hodgkinson	32	<i>albedinella</i> Zeller	17	<i>ALSOPHILA</i>	83
<i>ADSCITA</i>	13	<i>albicapitella</i>		<i>alstromeriana</i> (Clerck)	37
<i>adscitella</i> Stainton	34	(Scharfenberg)	24	<i>alternata</i> (D. & S.)	99
<i>adspersella</i> Benander	31	<i>albicillata</i> (Linnaeus)	88	<i>alternata alternata</i>	
<i>adusta</i> (Esper)	121	<i>albicolon</i> (Hübner)	116	(Müller)	87

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<i>alternella</i> (D. & S.)	50	<i>APEIRA</i>	99	<i>aspersana</i> (Hübner)	51
<i>alticolella</i> Zeller	31	<i>APHANTOPUS</i>	80	<i>aspidiscana</i> (Hübner)	58
<i>ALUCITA</i>	63	<i>APHELIA</i>	48	<i>ASPILAPTERYX</i>	18
<i>ambigua</i> (D. & S.)	129	<i>APHOMIA</i>	68	<i>ASPITATES</i>	104
<i>ambigualis</i> (Treitschke)	65	<i>apicipunctella</i> Stainton	32	<i>asseclana</i> (D. & S.)	50
<i>AMBLYPTILIA</i>	71	<i>apiformis</i> (Clerck)	21	<i>assimilata</i> Doubleday	95
<i>AMPHIPOEA</i>	128	<i>APLOCERA</i>	97	<i>assimilella</i> (Treischke)	37
<i>AMPHIPYRA</i>	124	<i>APOMYELOIS</i>	69	<i>asteris</i> Mühlig	30
<i>ANACAMPSIS</i>	43	<i>APOROPHYLA</i>	120	<i>ASTEROSCOPIUS</i>	120
<i>ANANIA</i>	67	<i>APOTOMIS</i>	54	<i>ASTHENA</i>	98
<i>ANAPLECTOIDES</i>	115	<i>aprilina</i> (Linnaeus)	121	<i>astrantiae</i> (Heinemann)	37
<i>ANARSIA</i>	43	<i>APROAEREMA</i>	42	<i>atalanta</i> (Linnaeus)	76
<i>ANARTA</i>	115	<i>arbutella</i> (Linnaeus)	53	<i>ATETHMIA</i>	122
<i>anatipennella</i> (Hübner)	29	<i>arceuthina</i> Zeller	23	<i>athalia</i> (Rottemburg)	78
<i>anceps</i> (D. & S.)	125	<i>ARCHANARA</i>	129	<i>ATHRIPS</i>	39
<i>ANCYLIS</i>	55	<i>ARCHIPS</i>	48	<i>ATOLMIS</i>	109
<i>ANCYLOSIS</i>	69	<i>ARCTIA</i>	110	<i>atomaria atomaria</i>	
<i>ANERASTIA</i>	68	<i>arcuatella</i> (H.-S.)	6	(Linnaeus)	103
<i>angelicella</i> (Hübner)	37	<i>arcuella</i> (Clerck)	52	<i>atomaria atomaria</i>	
<i>ANGERONA</i>	100	<i>arenella</i> (D. & S.)	37	f. <i>minuta</i> Heydemann	103
<i>anglicella</i> (Stainton)	19	<i>areola</i> (Esper)	121	<i>atra</i> (Howarth)	45
<i>angulifasciella</i> (Stainton)	6	<i>argentella</i> (Clerck)	33	<i>atrata</i> (Linnaeus)	98
<i>angustana</i> (Hübner)	47	<i>argentimaculella</i>		<i>atrella</i> (D. & S.)	38
<i>angustea</i> (Curtis)	65	(Stainton)	15	<i>atricapitana</i> (Stephens)	47
<i>angustiorana</i> (Haworth)	49	<i>argiolus britanna</i> Verity	76	<i>atricapitella</i> (Haworth)	9
<i>annulatella</i> (Curtis)	26	<i>AGRIOPIS</i>	97	<i>atricollis</i> (Stainton)	6
<i>anomala</i> (Haworth)	130	<i>ARGYNNIS</i>	77	<i>atricomella</i> Stainton	32
<i>anomaella</i> (Goeze)	9	<i>argyrana</i> (Hübner)	60	<i>atriplicella</i> (Fischer von	
<i>ANTHOCHARIS</i>	72	<i>ARGYRESTHIA</i>	23	Röslerstamm)	41
<i>ANTHOPHILA</i>	22	<i>argyropeza</i> (Zeller)	6	<i>atriplicis</i> Meyrick	31
<i>anthyllidella</i> (Hübner)	42	<i>ARGYROTAENIA</i>	48	<i>atropos</i> (Linnaeus)	105
<i>ANTICHLORIS</i>	110	<i>ARISTOTELIA</i>	39	<i>atropunctana</i> (Zetterstedt)	53
<i>ANTICLEA</i>	88	<i>armigera armigera</i>		<i>augur</i> (Fabricius)	113
<i>antiopa</i> (Linnaeus)	77	(Hübner)	130	<i>aurana</i> (Fabricius)	60
<i>antiqua</i>	108	<i>artemisiella</i> (Treitschke)	41	<i>aurantiaria</i> (Hübner)	101
<i>ANTITYPE</i>	121	<i>aruncella</i> (Scopoli)	5	<i>aureatella</i> (Scopoli)	5
<i>APAMEA</i>	125	<i>asinalis</i> (Hübner)	67	<i>aurella</i> (Fabricius)	7

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<i>aurinia</i> (Rottemburg)	78	Thierry-Mieg	101	<i>blanda</i> (D. & S.)	129
<i>aurinia</i> f. <i>hibernica</i>		<i>betulella</i> Heinemann &		<i>blandella</i> (Douglas)	42
Birchall	78	Wocke	30	<i>blandiata blandiata</i>	
<i>aurofasciana</i> (Haworth)	52	<i>betuletana</i> (Haworth)	54	(D. & S.)	92
<i>auroguttella</i> (Stephens)	18	<i>betulicola</i> (M. Hering)	18	<i>BLASTOBASIS</i>	44
<i>auromarginella</i>		<i>betulicola</i> (Stainton)	10	<i>BLASTODACNA</i>	45
(Richardson)	8	<i>biangulata</i> (Haworth)	91	<i>BOHEMANNIA</i>	6
<i>australis pascuea</i>		<i>bicolorata</i> (Hufnagel)	117	<i>BOLORIA</i>	77
(H. & W.)	120	<i>bicoloria</i> (D. & S.)	107	<i>bombycina</i> (Hufnagel)	115
<i>AUTOGRAPHA</i>	133	<i>bicostella</i> (Clerck)	35	<i>bonnetella</i> (Linnaeus)	24
<i>autumnaria</i> (Werneburg)	100	<i>bicruris</i> (Hufnagel)	117	<i>BORKHAUSENIA</i>	35
<i>autumnata</i> (Borkhausen)	92	<i>bicuspis</i> (Borkhausen)	106	<i>BRACHYLOMIA</i>	120
<i>aversata</i> (Linnaeus)	85	<i>bidentata</i> (Clerck)	100	<i>bractea</i> (D. & S.)	133
<i>AXYLIA</i>	112	<i>bifaciata</i> (Haworth)	92	<i>brassicae</i> (Linnaeus)	74
<i>BACTRA</i>	54	<i>bifasciana</i> (Haworth)	53	<i>brassicae</i> (Linnaeus)	116
<i>badiana</i> (D. & S.)	55	<i>bifida</i> (Brahm)	106	<i>britannica</i> (Turner)	90
<i>badiata</i> (D. & S.)	88	<i>bilineata bilineata</i>		<i>brockeella</i> (Hübner)	23
<i>badiella</i> (Hübner)	36	(Linnaeus)	87	<i>brongniardella</i> (Fabricius)	19
<i>baja</i> (D. & S.)	114	<i>bilineata hibernica</i> Tutt	88	<i>brumata</i> (Linnaeus)	92
<i>bankiana</i> (Fabricius)	131	<i>bilineata isolata</i> Kane	88	<i>brunnea</i> (D. & S.)	114
<i>basistrigalis</i> Knaggs	65	<i>bilunana</i> (Haworth)	55	<i>brunnearia scandinaviaria</i>	
<i>BATIA</i>	35	<i>bimaculata</i> (Fabricius)	103	Staudinger	101
<i>batis</i> (Linnaeus)	82	<i>binaevella</i> (Hübner)	70	<i>brunnearia tyronensis</i>	
<i>BATRACHEDRA</i>	44	<i>binderella</i> (Kollar)	28	Cockayne	102
<i>bechsteinella</i> (B. & S.)	17	<i>bipunctidactyla</i> (Scopoli)	71	<i>brunnichana</i> (Linnaeus)	56
<i>BEDELLIA</i>	27	<i>biren</i> (Goeze)	117	<i>BRYOTROPHA</i>	39
<i>bembeciformis</i> (Hübner)	22	<i>BISELACHISTA</i>	34	<i>BUCCULATRIX</i>	17
<i>berbera svenssoni</i>		<i>biselata</i> (Hufnagel)	85	<i>bucephala</i> (Linnaeus)	107
Fletcher	124	<i>bisselliella</i> (Hummel)	16	<i>buoliana</i> (D. & S.)	59
<i>berberata</i> (D. & S.)	91	<i>BISTON</i>	101	<i>BUPALUS</i>	103
<i>bergmanniana</i> (Linnaeus)	51	<i>bistortata</i> (Goeze)	103	<i>c-album</i> (Linnaeus)	77
<i>betulae</i> (Linnaeus)	75	<i>bistriatella subcognata</i>		<i>c-nigrum</i> (Linnaeus)	114
<i>betulae</i> (Stainton)	19	(Ragonot)	69	<i>CABERA</i>	103
<i>betularia</i> (Linnaeus)	101	<i>bistriga</i> (Haworth)	68	<i>CACOECEIMORPHA</i>	48
<i>betularia</i> f. <i>carbonaria</i>		<i>bistrigella</i> (Haworth)	11	<i>caeruleocephala</i>	
Jordan	101	<i>bisulcella</i> (Duponchel)	34	(Linnaeus)	108
<i>betularia</i> f. <i>insularia</i>		<i>blancardella</i> (Fabricius)	19	<i>caesia mananii</i> (Gregson)	117

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<i>caesiata</i> (D. & S.)	88	<i>carmelita</i> (Esper)	107	<i>CHILODES</i>	130
<i>caesiella</i> (Hübner)	24	<i>CARPATOLECHIA</i>	40	<i>CHIONODES</i>	40
<i>caespititiella</i> Zeller	32	<i>carpinata</i> (Borkhausen)	98	<i>CHLOROCLYSTA</i>	89
<i>cagnagella</i> (Hübner)	24	<i>CARSIA</i>	97	<i>CHLOROCLYSTIS</i>	97
<i>cahorsensis</i>		<i>CARYOCOLUM</i>	42	<i>chlorosata</i> (Scopoli)	99
Traugott-Olsen	33	<i>casta</i> (Pallas)	14	<i>CHORISTONEURA</i>	48
<i>caja</i> (Linnaeus)	110	<i>castanea</i> (Esper)	114	<i>CHORTODES</i>	127
<i>CALAMIA</i>	128	<i>CATACLYSTA</i>	66	<i>christyi</i> (Allen)	91
<i>caledoniana</i> (Stephens)	51	<i>CATARHOE</i>	87	<i>chrysitis</i> (Linnaeus)	132
<i>calidella</i> (Guenée)	70	<i>catharticella</i> (Stainton)	9	<i>CHRYSOEIXIS</i>	132
<i>CALLISTEGE</i>	134	<i>CATOCALA</i>	134	<i>CHRYSOESTHIA</i>	38
<i>CALLISTO</i>	19	<i>CATOPTRIA</i>	64	<i>chrysolepidella</i> Zeller	5
<i>CALLITEARA</i>	108	<i>cautella</i> (Walker)	70	<i>chrysoprasaria</i> (Esper)	84
<i>CALLOPHRYS</i>	75	<i>CEDESTIS</i>	25	<i>CHRYSOTEUCHIA</i>	64
<i>calodactyla</i> (D. & S.)	71	<i>CELAENA</i>	129	<i>cicatricella</i> (Zetterstedt)	5
<i>CALOPTILIA</i>	17	<i>CELASTRINA</i>	76	<i>cidarella</i> (Zeller)	17
<i>calthella</i> (Linnaeus)	5	<i>celerio</i> (Linnaeus)	106	<i>CIDARIA</i>	89
<i>CALYBITES</i>	18	<i>CELYPHA</i>	52	<i>ciliella</i> (Stainton)	37
<i>cambrica</i> Curtis	98	<i>centaureata</i> (D. & S.)	94	<i>CILIX</i>	82
<i>CAMPAEA</i>	104	<i>centrago</i> (Haworth)	122	<i>cinctaria cinctaria</i>	
<i>campoliliana</i> (D. & S.)	58	<i>CEPPHIS</i>	99	(D. & S.)	102
<i>CAMPTOGRAMMA</i>	87	<i>CERAPTERYX</i>	117	<i>cinctella</i> (Clerck)	43
<i>cana</i> (Haworth)	59	<i>cerasana</i> (Hübner)	47	<i>cinerea</i> (D. & S.)	111
<i>canapennella</i> (Hübner)	32	<i>cerasi</i> (Fabricius)	118	<i>cinerella</i> (Clerck)	43
<i>caniola</i> (Hübner)	109	<i>CERASTIS</i>	115	<i>cinereopunctella</i>	
<i>caprana</i> (Fabricius)	56	<i>CERURA</i>	106	(Haworth)	34
<i>capreana</i> (Hübner)	54	<i>cespitana</i> (Hübner)	52	<i>cingulata</i> (Fabricius)	105
<i>capreolella</i> (Zeller)	37	<i>cespitis</i> (D. & S.)	117	<i>cingulata</i> (Linnaeus)	66
<i>captiuncula tincta</i>		<i>chaerophyllella</i> (Goeze)	63	<i>circellaris</i> (Hufnagel)	122
(Kane)	127	<i>chamomillae</i> (D. & S.)	119	<i>circumvoluta</i> (Geoffroy)	69
<i>CAPUA</i>	49	<i>CHARANYCA</i>	129	<i>cirsiana</i> (Zeller)	58
<i>capucina</i> (Linnaeus)	107	<i>CHARISSA</i>	104	<i>citrata citrata</i> (Linnaeus)	89
<i>CARADRINA</i>	130	<i>chenopodiata</i> (Linnaeus)	86	<i>citrinalis</i> (Scopoli)	35
<i>CARCINA</i>	36	<i>CHESIAS</i>	97	<i>clathrata hugginsi</i>	
<i>cardamines hibernica</i>		<i>chi</i> (Linnaeus)	121	(Baynes)	99
Williams	75	<i>CHIASMIA</i>	99	<i>clavaria</i> (Haworth)	88
<i>cardui</i> (Linnaeus)	76	<i>CHILO</i>	64	<i>CLAVIGESTA</i>	59

<i>clavipalpis</i> (Scopoli)	130	<i>confusalis</i> (H.-S.)	111	<i>CRANIOPHORA</i>	123
<i>clavis</i> (Hufnagel)	111	<i>confusella</i> (Wood)	10	<i>crassa</i> (Hübner)	112
<i>clematella</i> (Fabricius)	16	<i>coniferana</i> (Ratzeburg)	62	<i>crassalis</i> (Fabricius)	135
<i>CLEORA</i>	102	<i>conigera</i> (D. & S.)	118	<i>crassiorella</i> Braund	14
<i>CLEORODES</i>	102	<i>CONISTRA</i>	122	<i>crataegana</i> (Hübner)	48
<i>CLEPSIS</i>	49	<i>conjugella</i> Zeller	23	<i>crataegella</i> (Klimesch)	10
<i>clerkella</i> (Linnaeus)	27	<i>conjugella</i> f. <i>maculosa</i>		<i>crataegi</i> (Linnaeus)	81
<i>cloacella</i> (Haworth)	16	Tengström	23	<i>crenana</i> (Hübner)	56
<i>clorana</i> (Linnaeus)	131	<i>consimilana</i> (Hübner)	49	<i>crenata</i> (Hufnagel)	125
<i>CLOSTERA</i>	107	<i>consociella</i> (Hübner)	68	<i>crepuscularia</i> (D. & S.)	103
<i>CNEPHASIA</i>	50	<i>consonaria</i> (Hübner)	103	<i>crepusculella</i> (Zeller)	10
<i>cnicana</i> (Westwood)	47	<i>consortana</i> Stephens	62	<i>crinanensis</i> (Burrows)	128
<i>COCHYLIDIA</i>	47	<i>consortella</i> (Stainton)	35	<i>cristana</i> (D. & S.)	52
<i>COCHYLIMORPHA</i>	46	<i>conspersana</i> Douglas	50	<i>cristatella</i> Zeller	17
<i>COCHYLIS</i>	47	<i>conterminella</i> (Zeller)	37	<i>CROCALLIS</i>	100
<i>COENOBIA</i>	129	<i>contigua</i> (D. & S.)	116	<i>crocealis</i> (Hübner)	67
<i>COENOCALPE</i>	90	<i>continuella</i> (Stainton)	8	<i>croceus</i> (Geoffroy in	
<i>COENONYMPHA</i>	80	<i>convulvuli</i> (Linnaeus)	105	Fourcroy)	73
<i>cognata</i> (Thunberg)	90	<i>conwagana</i> (Fabricius)	50	<i>crocicapitella</i> (Clemens)	16
<i>COLEOPHORA</i>	27	<i>coronata</i> (Hufnagel)	67	<i>CROCIDOSEMA</i>	56
<i>COLIAS</i>	73	<i>corticella</i> (Linnaeus)	11	<i>croesella</i> (Scopoli)	12
<i>COLOCASIA</i>	132	<i>corylana</i> (Fabricius)	47	<i>cruciana</i> (Linnaeus)	56
<i>COLOSTYGIA</i>	90	<i>corylata</i> (Thunberg)	90	<i>cruda</i> (D. & S.)	118
<i>COLOTOIS</i>	100	<i>coryli</i> (Linnaeus)	132	<i>CRYPHIA</i>	123
<i>comae</i> Schmidt	84	<i>coryli</i> (Nicelli)	20	<i>cryptella</i> (Stainton)	7
<i>comariana</i> (Lienig and		<i>corylifoliella</i> (Hübner)	20	<i>CRYPTOBLABES</i>	68
Zeller)	51	<i>COSMIA</i>	125	<i>cuculata</i> (Hufnagel)	87
<i>combinella</i> (Hübner)	24	<i>COSMIOTES</i>	34	<i>cuculipennella</i> (Hübner)	17
<i>comes</i> (Hübner)	112	<i>COSMOPTERIX</i>	44	<i>CUCULLIA</i>	119
<i>comitata</i> (Linnaeus)	88	<i>COSMORHOE</i>	88	<i>culmella</i> (Linnaeus)	64
<i>comma</i> (Linnaeus)	119	<i>COSSUS</i>	13	<i>cultraria</i> (Fabricius)	82
<i>complana</i> (Linnaeus)	109	<i>cossus</i> (Linnaeus)	13	<i>CUPIDO</i>	75
<i>complana</i> f. <i>sericea</i>		<i>costaestrigalis</i>		<i>cuprella</i> (D. & S.)	12
Gregson	109	(Stephens)	135	<i>cupriacella</i> (Hübner)	12
<i>compositella</i> (Fabricius)	60	<i>costella</i> (H. & W.)	41	<i>cursoria</i> (Hufnagel)	111
<i>comptana</i> (Frölich)	55	<i>costipunctana</i> (Haworth)	58	<i>curtula</i> (Linnaeus)	107
<i>confusa</i> (Hufnagel)	117	<i>CRAMBUS</i>	64	<i>curvella</i> (Linnaeus)	23

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<i>CYBOSIA</i>	109	<i>DEPRESSARIA</i>	36	<i>dodecella</i> (Linnaeus)	39
<i>CYCLOPHORA</i>	84	<i>derivata</i> (D. & S.)	88	<i>dodonaea</i> (D. & S.)	107
<i>CYDIA</i>	61	<i>desertella</i> (Douglas)	39	<i>dodonaea</i> Stainton	10
<i>cydoniella</i> (D. & S.)	20	<i>deshaisiana</i> (Lucas)	62	<i>dodoneata</i> Guenée	96
<i>cynosbatella</i> (Linnaeus)	57	<i>designata</i> (Hufnagel)	85	<i>dolabraria</i> (Linnaeus)	99
<i>cytisella</i> (Curtis)	38	<i>despicata</i> (Scopoli)	66	<i>domestica</i> (Haworth)	39
<i>dahlia</i> (Hübner)	114	<i>devoniella</i> (Stainton)	19	<i>domestica</i> (Hufnagel)	123
<i>DANAUS</i>	80	<i>DIACHRYSLA</i>	132	<i>DONACAULA</i>	65
<i>DAPHNIS</i>	105	<i>DIACRISIA</i>	110	<i>douglasella</i> Stainton	36
<i>daplidice</i> (Linnaeus)	74	<i>DIAPHORA</i>	110	<i>DREPANA</i>	82
<i>DASYPOLIA</i>	120	<i>DIARSIA</i>	113	<i>dromedarius</i> (Linnaeus)	106
<i>DASYSTOMA</i>	36	<i>DICALLOMERA</i>	108	<i>drurella</i> (Fabricius)	38
<i>daucella</i> (D. & S.)	36	<i>DICHOMERIS</i>	43	<i>DRYADAULA</i>	15
<i>dealbana</i> (Frölich)	57	<i>DICHONIA</i>	121	<i>dryadella</i> (Hofmannn)	8
<i>deauratella</i> (H.-S.)	44	<i>DICHRORAMPHA</i>	62	<i>DRYMONIA</i>	107
<i>deauratella</i>		<i>didyma</i> (Esper)	127	<i>DRYOBOTODES</i>	121
Lienig and Zeller	29	<i>didymata didymata</i>		<i>dubiella</i> Stainton	17
<i>debiliata</i> (Hübner)	97	(Linnaeus)	92	<i>dubitana</i> (Hübner)	47
<i>decimalis</i> (Poda)	118	<i>diffinis</i> (Haworth)	40	<i>dubitata</i> (Linnaeus)	91
<i>decoloraria decoloraria</i>		<i>DIGITIVALVA</i>	26	<i>duplaris</i> (Linnaeus)	83
(Esper)	86	<i>dilectella</i> Zeller	23	<i>dumetata hibernica</i>	
<i>decorella</i> (Haworth)	40	<i>DILOBA</i>	108	Forder	104
<i>defoliaria</i> (Clerck)	101	<i>dilutata</i> (D. & S.)	91	<i>DYSCIA</i>	104
<i>degeerella</i> (Linnaeus)	12	<i>dilutella</i> (D. & S.)	69	<i>EANA</i>	50
<i>DEILEPHILA</i>	106	<i>dimidiata</i> (Hufnagel)	85	<i>EARIAS</i>	131
<i>DEILEPTENIA</i>	102	<i>DIORYCTRIA</i>	69	<i>EBULEA</i>	67
<i>DELTAORNIX</i>	19	<i>DIPLEURINA</i>	65	<i>ECLIPTOPERA</i>	89
<i>DELTOTE</i>	131	<i>DIPLODOMA</i>	14	<i>ECTOEDEMLA</i>	6
<i>delunella</i> (Stainton)	65	<i>DISCESTRA</i>	115	<i>ECTROPIS</i>	103
<i>demaryella</i> (Duponchel)	17	<i>discordella</i> Zeller	30	<i>EILEMA</i>	109
<i>DENISIA</i>	35	<i>dispar</i> (Haworth)	75	<i>ekebladella</i> (Bjerkander)	10
<i>denotata jasionata</i>		<i>distinctaria constrictata</i>		<i>ELACHISTA</i>	32
Crewe	95	Guenée	96	<i>ELECTROPHAES</i>	90
<i>dentaria</i> (Fabricius)	100	<i>distinctella</i> (Zeller)	41	<i>eleochariella</i> (Stainton)	34
<i>dentella</i> (Fabricius)	25	<i>ditrapezium</i> (D. & S.)	114	<i>elinguaria</i> (Linnaeus)	100
<i>denticulella</i> (Thunberg)	19	<i>DITULA</i>	49	<i>elongella</i> (Linnaeus)	18
<i>depressa</i> (Esper)	109	<i>DIURNEA</i>	36	<i>ELOPHILA</i>	66

<i>elpenor</i> (Linnaeus)	106	<i>eriphia</i> (Fabricius)	111	<i>exiguata exiguata</i>	
<i>elutella</i> (Hübner)	70	<i>erosaria</i> (D. & S.)	100	(Hübner)	93
<i>emargana</i> (Fabricius)	52	<i>ERYNNIS</i>	72	<i>EXOTELEIA</i>	39
<i>emberizaepennella</i>		<i>ESPERIA</i>	35	<i>expallidata</i> Doubleday	95
(Bouché)	21	<i>EUBLEMMA</i>	131	<i>exsoleta</i> (Linnaeus)	121
<i>EMATURGA</i>	103	<i>EUCHALCIA</i>	132	<i>fabriciana</i> (Linnaeus)	22
<i>EMMELINA</i>	72	<i>EUCHROMIUS</i>	63	<i>fagaria</i> (Thunberg)	104
<i>EMMETIA</i>	10	<i>EUCLIDIA</i>	134	<i>fagata</i> (Scharfenberg)	92
<i>ENARMONIA</i>	60	<i>EUCOSMA</i>	58	<i>fagella</i> (D. & S.)	36
<i>ENDOTHENIA</i>	54	<i>EUDEMIS</i>	55	<i>fagi</i> (Linnaeus)	108
<i>ENDROSIS</i>	35	<i>EUDONIA</i>	65	<i>fagiglandana</i> (Zeller)	62
<i>ENNOMOS</i>	100	<i>EUGNORISMA</i>	113	<i>FALCARIA</i>	82
<i>ENTEPHRIA</i>	88	<i>EULAMPROTES</i>	38	<i>falcataria falcataria</i>	
<i>ENTEUCHA</i>	10	<i>EULEIOPTILUS</i>	72	(Linnaeus)	82
<i>EPAGOGE</i>	49	<i>EULIA</i>	50	<i>falconipennella</i> (Hübner)	18
<i>EPERMENIA</i>	63	<i>EULITHIS</i>	89	<i>FALSEUNCARIA</i>	47
<i>ephemerella</i> (D. & S.)	66	<i>euphorbiae myricae</i>		<i>farinalis</i> (Linnaeus)	68
<i>EPHESTIA</i>	70	Guenée	123	<i>fascelina</i> (Linnaeus)	108
<i>EPIBLEMA</i>	57	<i>euphrosyne</i> (Linnaeus)	77	<i>fasciana</i> (Linnaeus)	60
<i>EPICHRNOPTERIX</i>	15	<i>EUPHYDRYAS</i>	78	<i>fasciaria</i> (Linnaeus)	104
<i>epilobiella</i> (D. & S.)	44	<i>EUPHYIA</i>	91	<i>fasciuncula</i> (Haworth)	126
<i>EPINOTIA</i>	55	<i>EUPITHECIA</i>	93	<i>ferchaultella</i> (Stephens)	14
<i>EPIONE</i>	99	<i>EUPLEXIA</i>	124	<i>ferrago</i> (Fabricius)	118
<i>epiphron mnemon</i>		<i>EUPOECILIA</i>	47	<i>ferrugalis</i> (Hübner)	67
(Haworth)	79	<i>EUPROCTIS</i>	108	<i>ferrugana</i> (D. & S.)	51
<i>EPIPHYAS</i>	49	<i>EUPSILIA</i>	122	<i>ferrugata</i> (Clerck)	86
<i>EPIRRHOE</i>	87	<i>eurema</i> (Tutt)	7	<i>ferruginea</i> (Esper)	124
<i>EPIRRITA</i>	91	<i>EUROIS</i>	115	<i>festaliella</i> (Hübner)	63
<i>epomidion</i> (Haworth)	125	<i>EURRHYPARA</i>	67	<i>festucae</i> (Linnaeus)	133
<i>ERANNIS</i>	101	<i>EUTHRIX</i>	82	<i>figulilella</i> (Gregson)	70
<i>EREBIA</i>	79	<i>EUXOA</i>	111	<i>filicivora</i> (Meyrick)	15
<i>eremita</i> (Fabricius)	121	<i>EVERGESTIS</i>	66	<i>filigrammaria</i> (H.-S.)	92
<i>ericetella</i> (Geyer)	43	<i>evonymella</i> (Linnaeus)	24	<i>filipendulae</i> (Wocke)	8
<i>ericinella</i> (Zeller)	39	<i>EXAERETIA</i>	36	<i>filipendulae stephensi</i>	
<i>ERIOCRANIA</i>	5	<i>exanthemata</i> (Scopoli)	103	Dupont	13
<i>ERIOGASTER</i>	81	<i>exclamationis</i> (Linnaeus)	111	<i>fimbriata</i> (Schreber)	113
<i>ERIOPSELA</i>	58	<i>exigua</i> (Hübner)	130	<i>finitimella</i> (Zeller)	19

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<i>firmata</i> (Hübner)	90	<i>fucosa paludis</i> (Tutt)	128	<i>gerningana</i> (D. & S.)	49
<i>flammea</i> (D. & S.)	118	<i>fugitivella</i> (Zeller)	40	<i>gilvaria burrenensis</i>	
<i>flammeolaria</i> (Hufnagel)	98	<i>fuliginosa fuliginosa</i>		Cockayne	104
<i>flavago</i> (D. & S.)	128	(Linnaeus)	110	<i>glareosa</i> (Esper)	113
<i>flavescentella</i> Haworth	17	<i>fulvata</i> (Forster)	89	<i>glaucata</i> (Scopoli)	82
<i>flavicaput</i> (Howarth)	45	<i>fulviguttella</i> (Zeller)	63	<i>glaucicolella</i> Wood	31
<i>flaviciliana</i> (Westwood)	47	<i>fulvimitrella</i> (Sodoffsky)	16	<i>glaucinella</i> Zeller	23
<i>flavicinctata flavicinctata</i>		<i>fumatella</i> (Douglas)	40	<i>glaucus</i> Linnaeus	73
(Hübner)	88	<i>funebrana</i> (Treitschke)	61	<i>gleichenella</i> (Fabricius)	32
<i>flavicornis galbanus</i>		<i>funebria</i> (Ström)	67	<i>glutinosae</i> (Stainton)	10
(Tutt)	83	<i>furcata</i> (Thunberg)	90	<i>glyphica</i> (Linnaeus)	134
<i>flavipennella</i> (Duponchel)	27	<i>FURCULA</i>	106	<i>GLYPHIPTERIX</i>	22
<i>flavofasciata</i> (Thunberg)	92	<i>furcula</i> (Clerck)	106	<i>gnoma</i> (Fabricius)	106
<i>floslactata floslactata</i>		<i>furfurana</i> (Haworth)	54	<i>GNOPHOS</i>	104
(Haworth)	85	<i>furuncula</i> (D. & S.)	126	<i>goedartella</i> (Linnaeus)	23
<i>floslactella</i> (Haworth)	9	<i>furva britannica</i>		<i>GONEPTERYX</i>	74
<i>fluctuata fluctuata</i>		Cockayne	125	<i>gonodactyla</i> (D. & S.)	71
(Linnaeus)	86	<i>fusca</i> (Haworth)	68	<i>goossensiata</i> Mabilie	95
<i>fluctuosa</i> (Hübner)	83	<i>fuscalis</i> (D. & S.)	67	<i>GORTYNA</i>	128
<i>follicularis</i> (Vallot)	30	<i>fuscella</i> (Linnaeus)	17	<i>gothica</i> (Linnaeus)	118
<i>forficalis</i> (Linnaeus)	66	<i>fuscescens</i> (Haworth)	35	<i>gracilis</i> (D. & S.)	118
<i>forficella</i> (Thunberg)	65	<i>fuscocuprella</i> H.-S.	28	<i>graminis</i> (Linnaeus)	117
<i>formicaeformis</i> (Esper)	22	<i>fusconebulosa</i> (DeGeer)	6	<i>graminis</i> ssp. (as var.)	
<i>formosana</i> (Scopoli)	60	<i>galiata</i> (D. & S.)	87	<i>hibernicus</i> Curtis	117
<i>forsskaleana</i> (Linnaeus)	51	<i>GALLERIA</i>	68	<i>grandipennis</i> (Haworth)	45
<i>forsterana</i> (Fabricius)	49	<i>gallicana</i> (Guenée)	60	<i>granella</i> (Linnaeus)	15
<i>forsterella</i> (Fabricius)	23	<i>gallii</i> (Rottemburg)	105	<i>GRAPHIPHORA</i>	113
<i>francillana</i> (Fabricius)	47	<i>gamma</i> (Linnaeus)	133	<i>GRAPHOLITA</i>	60
<i>frangutella</i> (Goeze)	17	<i>gemmella</i> (Linnaeus)	39	<i>grisealis</i> (D. & S.)	135
<i>fraternana</i> (Haworth)	56	<i>gangalbella</i> Zeller	34	<i>griseana</i> (Hübner)	57
<i>fraternella</i> (Douglas)	42	<i>GELECHIA</i>	41	<i>grisella</i> (Fabricius)	68
<i>fraxinella</i> (Bjerkander)	25	<i>geminana</i> (Donovan)	55	<i>griseola</i> (Hübner)	109
<i>fraxini</i> (Linnaeus)	134	<i>geminipuncta</i> (Haworth)	129	<i>griseola</i> f. <i>stramineola</i>	
<i>freyerella</i> (Hübner)	34	<i>geniculea</i> (Haworth)	64	(Doubleday)	109
<i>friesei</i> Svensson	25	<i>geniculella</i> (Ragonot)	21	<i>grossulariata</i> (Linnaeus)	98
<i>frischella</i> (Linnaeus)	28	<i>geoffrella</i> (Linnaeus)	35	<i>grotiana</i> (Fabricius)	49
<i>froelichiella</i> (Zeller)	21	<i>GEOMETRA</i>	84	<i>gryphipennella</i> (Hübner)	27

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<i>guenéeana</i> Obraztsov	63	<i>hepariella</i> Stainton	24	<i>HYSTEROPHORA</i>	46
<i>GYMNOSCELIS</i>	97	<i>HEPIALUS</i>	6	<i>ibipennella</i> Zeller	29
<i>GYNNIDOMORPHA</i>	46	<i>heracliana</i> (Linnaeus)	36	<i>icarus mariscolore</i> (Kane)	76
<i>GYPSONOMA</i>	57	<i>herminata</i> (Geoffroy)	14	<i>icterata oxydata</i>	
<i>HABROSYNE</i>	82	<i>HERMINIA</i>	135	Treitschke	96
<i>HADA</i>	115	<i>hexadactyla</i> Linnaeus	63	<i>icterata subfulvata</i>	
<i>HADENA</i>	117	<i>hilarella</i> (Zetterstedt)	20	(Haworth)	95
<i>halterata</i> (Hufnagel)	98	<i>HIPPARCHIA</i>	79	<i>icteritia</i> (Hufnagel)	122
<i>hamana</i> (Linnaeus)	46	<i>HIPPOTION</i>	106	<i>IDAEA</i>	85
<i>hammoniella</i> (Sorhagen)	12	<i>hirtaria</i> (Clerck)	101	<i>imella</i> (Hübner)	16
<i>HAPLOTINEA</i>	15	<i>HOFMANNOPHILA</i>	35	<i>imitaria</i> (Hübner)	84
<i>harrisella</i> (Linnaeus)	19	<i>hohenwartiana</i> (D. & S.)	59	<i>immaculatella</i> (Douglas)	38
<i>hastata hastata</i>		<i>hohenwartiana</i> f.		<i>immundana</i> (Fischer von	
(Linnaeus)	91	<i>fulvana</i> Stephens	59	Röslerstamm)	55
<i>hastata hastata</i> f.		<i>holmiana</i> (Linnaeus)	51	<i>immundella</i> (Zeller)	7
<i>nigrescens</i> (Prout)	91	<i>HOMOEOSOMA</i>	70	<i>immutata</i> (Linnaeus)	85
<i>hastiana</i> (Linnaeus)	52	<i>HOPLODRINA</i>	129	<i>impluviata</i> (D. & S.)	90
<i>haworthana</i> (Stephens)	23	<i>HORISME</i>	90	<i>impura</i> (Hübner)	119
<i>haworthiata</i> Doubleday	93	<i>hortulata</i> (Linnaeus)	67	<i>impura</i> f. <i>scotica</i>	
<i>haworthii</i> (Curtis)	129	<i>humidalis</i> Doubleday	135	Cockayne	119
<i>hebenstreitella</i> (Müller)	48	<i>humilis</i> Zeller	32	<i>INACHIS</i>	77
<i>HECATERA</i>	117	<i>humuli humuli</i> (Linnaeus)	6	<i>incarnatana</i> (Hübner)	58
<i>hecta</i> (Linnaeus)	6	<i>hyale</i> (Linnaeus)	73	<i>incarnatella</i> (Steudel)	26
<i>HEDYA</i>	53	<i>hybnerella</i> (Hübner)	9	<i>incerta</i> (Hufnagel)	118
<i>heegeriella</i> (Zeller)	19	<i>HYDRAECIA</i>	128	<i>incertana</i> (Treitschke)	50
<i>HELCYSTOGRAMMA</i>	43	<i>HYDRELIA</i>	98	<i>INCURVARIA</i>	11
<i>HELICOVERPA</i>	130	<i>HYDRIOMENA</i>	90	<i>indigata</i> (Hübner)	96
<i>HELIOPHOBUS</i>	116	<i>hyemana</i> (Haworth)	52	<i>INFURCITINEA</i>	15
<i>HELIOTHIS</i>	130	<i>HYLAEA</i>	104	<i>innotata</i> (Hufnagel) f.	
<i>HELIOZELA</i>	12	<i>HYLES</i>	105	<i>fraxinata</i> Crewe	96
<i>hellerella</i> (Duponchel)	45	<i>HYPATIMA</i>	43	<i>inopiana</i> (Haworth)	46
<i>helvola</i> (Linnaeus)	122	<i>HYPENA</i>	135	<i>inquinatella</i> (D. & S.)	64
<i>hemargyrella</i> (Kollar)	9	<i>HYPENODES</i>	135	<i>insectella</i> (Fabricius)	15
<i>HEMARIS</i>	105	<i>hyperantus</i> (Linnaeus)	80	<i>insignitella</i> (Zeller)	20
<i>HEMISTOLA</i>	84	<i>HYPERCALLIA</i>	35	<i>instabilella</i> (Douglas)	41
<i>HEMITHEA</i>	84	<i>HYPOMECIS</i>	102	<i>interjecta caliginosa</i>	
<i>heparana</i> (D. & S.)	48	<i>HYPPA</i>	125	Schawerda	113

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<i>internana</i> (Guenée)	60	<i>laevigatella</i> (Heydenrich)	23	<i>leucographella</i> (Zeller)	20
<i>interpunctella</i> (Hübner)	70	<i>laevigella</i> (D. & S.)	16	<i>LEUCOMA</i>	108
<i>interrogationis</i>		<i>lambdella</i> (Donovan)	35	<i>leucophaearia</i> (D. & S.)	101
(Linnaeus)	133	<i>LAMPRONIA</i>	11	<i>LEUCOPTERA</i>	26
<i>intimella</i> (Zeller)	6	<i>LAMPROPTERYX</i>	88	<i>leucostigma leucostigma</i>	
<i>intricata hibernica</i> Mere	94	<i>lancealana</i> (Hübner)	54	(Hübner)	129
<i>io</i> (Linnaeus)	77	<i>lancealis</i> (D. & S.)	67	<i>leucotreta</i> (Meyrick)	60
<i>IPIMORPHA</i>	124	<i>lanestris</i> (Linnaeus)	81	<i>leuwenhoekella</i>	
<i>ipsilon</i> (Hufnagel)	111	<i>langiella</i> (Hübner)	44	(Linnaeus)	45
<i>irreorella</i> (Linnaeus)	108	<i>LAOTHOE</i>	105	<i>libatrix</i> (Linnaeus)	134
<i>isertana</i> (Fabricius)	57	<i>lapidata</i> (Hübner)	90	<i>lichenaria</i> (Hufnagel)	102
<i>isodactylus</i> (Zeller)	71	<i>lapponica</i> (Wocke)	10	<i>lichenea lichenea</i>	
<i>ISSORIA</i>	77	<i>LARENTIA</i>	88	(Hübner)	121
<i>jacobaeae</i> (Linnaeus)	110	<i>laricana</i> (Heinemann)	59	<i>lienigiella</i> Lienig and	
<i>janthe</i> (Borkhausen)	113	<i>laricella</i> (Hübner)	29	Zeller	45
<i>janthinana</i> (Duponchel)	61	<i>lariciata</i> (Freyer)	97	<i>LIGDIA</i>	98
<i>JODIS</i>	84	<i>LASIOCAMPA</i>	81	<i>lignea</i> Walsingham	44
<i>josephinae</i> (Toll)	36	<i>LASIOMMATA</i>	78	<i>ligula</i> (Esper)	122
<i>jota</i> (Linnaeus)	133	<i>lassella</i> Staudinger	30	<i>ligustri</i> (D. & S.)	123
<i>jubata</i> (Thunberg)	102	<i>laterana</i> (Fabricius)	51	<i>LIMNAECIA</i>	45
<i>juncicolella</i> Stainton	28	<i>lathonia</i> (Linnaeus)	77	<i>linariata</i> (D. & S.)	93
<i>jungiella</i> (Clerck)	61	<i>lathoniellus</i> (Zincken)	64	<i>linearia</i> (Hübner)	84
<i>juniperata juniperata</i>		<i>LATHRONYMPHA</i>	60	<i>lineola</i> (Curtis)	65
(Linnaeus)	90	<i>lathyrifoliella</i>		<i>lipsiella</i> (D. & S.)	36
<i>juniperata</i> ssp. unnamed	90	(Stainton) f. <i>orobi</i>	27	<i>literana</i> (Linnaeus)	52
<i>jurtina iernes</i> Graves	80	<i>latistria</i> (Haworth)	64	<i>literosa</i> (Haworth)	127
<i>kaekeritziana</i> (Linnaeus)	37	<i>latruncula</i> (D. & S.)	126	<i>lithargyrinella</i> Zeller	29
<i>KESSLERIA</i>	24	<i>lautella</i> (Zeller)	21	<i>lithodactyla</i> (Treitschke)	72
<i>kilmunella</i> Stainton	32	<i>lecheana</i> (Linnaeus)	49	<i>lithoxylaea</i> (D. & S.)	125
<i>kleemannella</i> (Fabricius)	21	<i>legatella</i> (D. & S.)	97	<i>LITHOPHANE</i>	120
<i>kuehniella</i> Zeller	70	<i>lemnata</i> (Linnaeus)	66	<i>LITHOSIA</i>	109
<i>laburnella</i> (Stainton)	26	<i>lemniscella</i> (Zeller)	8	<i>litoralis</i> (Curtis)	119
<i>LACANOBLIA</i>	116	<i>leporina</i> (Linnaeus)	123	<i>littoralis</i> (H. & W.)	54
<i>lacertinaria</i> (Linnaeus)	82	<i>LEPTIDEA</i>	73	<i>litura</i> (Linnaeus)	122
<i>lactearia</i> (Linnaeus)	84	<i>leucapennella</i> (Stephens)	18	<i>litrata</i> (Clerck)	99
<i>lacunana</i> (D. & S.)	52	<i>leucodactyla</i> (D. & S.)	71	<i>liturosa</i> (Haworth)	37
<i>lacustrata</i> (Panzer)	65	<i>LEUCODONTA</i>	107	<i>livornica</i> (Esper)	105

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<i>lixella</i> Zeller	29	<i>lusciniapennella</i>		<i>MANIOLA</i>	79
<i>ljungiana</i> (Thunberg)	48	(Treitschke)	28	<i>manniana</i> (Fischer von	
<i>LOBESIA</i>	54	<i>lutarea</i> (Haworth)	25	Röslerstamm)	46
<i>LOBOPHORA</i>	98	<i>luteago barrettii</i>		<i>mansuetella</i> Zeller	5
<i>locupletella</i> (D. & S.)	44	(Doubleday)	117	<i>MARASMARCHA</i>	71
<i>loeflingiana</i> (Linnaeus)	51	<i>lutealis</i> (Hübner)	67	<i>margaritata</i> (Linnaeus)	104
<i>loganella</i> (Stainton)	18	<i>luteella</i> (Stainton)	10	<i>margaritella</i> (D. & S.)	64
<i>LOMASPILIS</i>	95	<i>luteolata</i> (Linnaeus)	99	<i>marginana</i> (Haworth)	54
<i>LOMOGRAPHIA</i>	103	<i>luteum</i> (Hufnagel)	110	<i>marginaria</i> (Fabricius)	101
<i>longana</i> (Haworth)	48	<i>luticomella</i> (Zeller)	32	<i>marginata</i> (Linnaeus)	98
<i>loniceræ insularis</i>		<i>lutipennella</i> (Zeller)	27	<i>marginæa</i> (Haworth)	11
Tremewan	13	<i>lutosa</i> (Hübner)	129	<i>marginella</i> (Fabricius)	43
<i>lophyrella</i> (Douglas)	45	<i>lutulentella</i> (Zeller)	38	<i>marginepunctata</i> (Goeze)	84
<i>loreyi</i> (Duponchel)	119	<i>luzella</i> (Hübner)	11	<i>maritima</i> Stainton	17
<i>lota</i> (Clerck)	122	<i>LYCAENA</i>	75	<i>maritima</i> (Tengström)	70
<i>lotella</i> (Hübner)	68	<i>lychnidis</i> (D. & S.)	122	<i>maritimella</i> Newman	32
<i>lotella</i> (Stainton)	27	<i>LYCIA</i>	100	<i>maritimus</i> (Tauscher)	130
<i>LOZOTAENIA</i>	49	<i>LYCOPHOTIA</i>	113	<i>marmorea</i> (Haworth)	68
<i>lubricipeda</i> (Linnaeus)	110	<i>LYMANTRIA</i>	108	<i>marmoreum</i> (Haworth)	42
<i>lucens</i> (Freyer)	128	<i>LYONETIA</i>	27	<i>masculella</i> (D. & S.)	11
<i>lucernea</i> (Linnaeus)	112	<i>MACARIA</i>	98	<i>matura</i> (Hufnagel)	124
<i>lucidella</i> (Stephens)	38	<i>machaon</i> Linnaeus	73	<i>maura</i> (Linnaeus)	124
<i>lucipara</i> (Linnaeus)	124	<i>macilenta</i> (Hübner)	122	<i>mayrella</i> (Hübner)	29
<i>lueneburgensis</i> (Freyer)	120	<i>MACROGLOSSUM</i>	105	<i>MECYNA</i>	67
<i>LUFFIA</i>	14	<i>MACROTHYLACIA</i>	81	<i>megacephala</i> (D. & S.)	122
<i>lunaedactyla</i> (Haworth)	71	<i>maculana</i> (Fabricius)	56	<i>megera</i> (Linnaeus)	78
<i>lunana</i> (Thunberg)	49	<i>macularia</i> (Linnaeus)	99	<i>megerlella</i> (Hübner)	33
<i>lunaris</i> (D. & S.)	134	<i>maculicerusella</i> Bruand	32	<i>MELANCHRA</i>	116
<i>lunosa</i> (Haworth)	122	<i>maculosana</i> (Haworth)	46	<i>MELITAEA</i>	78
<i>lunulana</i> (D. & S.)	61	<i>maestingella</i> (Müller)	20	<i>mellinata</i> (Fabricius)	89
<i>lunularia</i> (Hübner)	100	<i>magdalenæ</i> (Klimesch)	10	<i>mellonella</i> (Linnaeus)	68
<i>LUPERINA</i>	127	<i>magna</i> (Zeller)	12	<i>mendica</i> (Clerck)	110
<i>lupulinus</i> (Linnaeus)	6	<i>MALACOSOMA</i>	81	<i>mendica mendica</i>	
<i>luridata plumbaria</i>		<i>malella</i> (Stainton)	9	(Fabricius)	113
(Fabricius)	87	<i>malifoliella</i> (Costa)	27	<i>MENOPHRA</i>	101
<i>lurideola</i> (Zincken)	109	<i>malinellus</i> Zeller	24	<i>menyanthidis menyanthidis</i>	
		<i>MAMESTRA</i>	116	(Esper)	123

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<i>mercurella</i> (Linnaeus)	65	<i>MIRIFICARMA</i>	41	<i>mygindiana</i> (D. & S.)	53
<i>mercuriana</i> (Frölich)	56	<i>mitterbacheriana</i>		<i>myllerana</i> (Fabricius)	22
<i>MERRIFIELDIA</i>	71	(D. & S.)	55	<i>myrtillana</i> (H. & W.)	57
<i>MESAPAMEA</i>	127	<i>MNIOTYPE</i>	121	<i>myrtillana</i> (Treitschke)	55
<i>MESOLEUCA</i>	88	<i>molesta</i> (Busck)	61	<i>myrtillella</i> (Stainton)	8
<i>MESOLIGIA</i>	126	<i>MOMPHA</i>	44	<i>mytilli</i> (Linnaeus)	115
<i>mesomella</i> (Linnaeus)	109	<i>monacha</i> (Linnaeus)	108	<i>MYTHIMNA</i>	118
<i>mespilella</i> (Hübner)	19	<i>moneta</i> (Fabricius)	132	<i>NAENIA</i>	115
<i>messaniella</i> (Zeller)	19	<i>MONOCHROA</i>	38	<i>naevana</i> (Hübner)	57
<i>metaxella</i> (Hübner)	12	<i>monodactyla</i> (Linnaeus)	72	<i>nana</i> (Haworth)	47
<i>METENDOTHEA</i>	53	<i>monoglypha</i> (Hufnagel)	125	<i>nanana</i> (Treitschke)	56
<i>meticulosa</i>	124	<i>MONOPIS</i>	16	<i>nanata</i> (Hübner)	96
<i>METZNERIA</i>	38	<i>montanana</i> (Duponchel)	63	<i>nanatella</i> (Stainton)	37
<i>metzneriella</i> (Stainton)	38	<i>montanata montanata</i>		<i>napi britannica</i> Müller &	
<i>mi</i> (Clerck)	134	(D. & S.)	86	Kautz	74
<i>miata</i> (Linnaeus)	89	<i>MORMO</i>	124	<i>NEBULA</i>	88
<i>micacea</i> (Esper)	128	<i>morpheus</i> (Hufnagel)	130	<i>nebulella</i> (D. & S.)	70
<i>micalis</i> (Mann)	22	<i>mouffetella</i> (Linnaeus)	39	<i>nebulosa</i> (Hufnagel)	116
<i>microdactyla</i> (Hübner)	72	<i>mucronata scotica</i>		<i>NEMAPOGON</i>	15
<i>microgrammana</i> (Guenée)	61	(Cockayne)	87	<i>NEMATOPOGON</i>	11
<i>MICROPTERIX</i>	5	<i>mucronata umbrifera</i>		<i>NEMOPHORA</i>	12
<i>microtheriella</i> (Stainton)	10	(Heydemann)	86	<i>nemorella</i> (Linnaeus)	25
<i>millieridactyla</i> (Bruand)	71	<i>mucronella</i> (Scopoli)	25	<i>nemorivaga</i> (Tengström)	56
<i>MILTOCHRISTA</i>	108	<i>mucronellus</i> (D. & S.)	65	<i>NEOFACULTA</i>	43
<i>milvipennis</i> Zeller	28	<i>mulinella</i> (Zeller)	41	<i>NEOZEPHYRUS</i>	75
<i>miniata</i> (Forster)	109	<i>multistrigaria</i> (Haworth)	90	<i>nerii</i> (Linnaeus)	105
<i>minima</i> (Haworth)	127	<i>munda</i> (D. & S.)	118	<i>nervosa</i> (Haworth)	37
<i>minimana</i> (Caradja)	46	<i>mundana</i> (Linnaeus)	109	<i>neustria</i> (Linnaeus)	81
<i>minimella</i> (D. & S.)	12	<i>muralis muralis</i> (Forster)	123	<i>ni</i> (Hübner)	132
<i>minimella</i> (Zetterstedt)	7	<i>muralis f. westropi</i>		<i>nicelli</i> (Stainton)	21
<i>minimus</i> (Fuessly)	75	C. & W.	124	<i>nickerlii knilli</i> Boursin	127
<i>miniosa</i> (D. & S.)	118	<i>muricata</i> (Hufnagel)	85	<i>NIDITINEA</i>	16
<i>ministrana</i> (Linnaeus)	50	<i>murinella</i> (Duponchel)	42	<i>nigra</i> (Haworth)	120
<i>minorata ericetata</i>		<i>muscaeformis</i> (Esper)	22	<i>nigrescentella</i> (Logan)	20
(Stephens)	92	<i>musculana musculana</i>		<i>nigricana</i> (Fabricius)	62
<i>MINUCIA</i>	134	(Hübner)	48	<i>nigricans</i> (Linnaeus)	111
<i>minutella</i> (Linnaeus)	35	<i>MYELOIS</i>	69	<i>nigricomella</i> (Zeller)	17

<i>nimbella</i> (Duponchel)	70	<i>occulta</i> (Linnaeus)	115	<i>or hibernica</i> (Turner)	82
<i>nisella</i> (Clerck)	55	<i>occultella</i> (Linnaeus)	7	<i>orbitella</i> Zeller	28
<i>nitentella</i> (Fuchs)	41	<i>ocellana</i> (Fabricius)	37	<i>ORGYIA</i>	108
<i>nitidana</i> (Fabricius)	60	<i>ocellana</i> (D. & S.)	59	<i>orichalcea</i> (Fabricius)	132
<i>NOCTUA</i>	112	<i>ocellata</i> (Linnaeus)	88	<i>orichalcea</i> Stainton	44
<i>noctuella</i> (D. & S.)	67	<i>ocellata</i> (Linnaeus)	105	<i>ornatella</i> (D. & S.)	69
<i>NOLA</i>	111	<i>ocellatella</i> (Boyd)	41	<i>ornitopus lactipennis</i>	
<i>NOMOPHILA</i>	67	<i>ocellea</i> (Haworth)	63	(Dadd)	120
<i>NONAGRIA</i>	129	<i>ochraceella</i> (Curtis)	44	<i>ORTHONAMA</i>	85
<i>notata</i> (Linnaeus)	98	<i>ochroleucana</i> (Frölich)	53	<i>ORTHOSIA</i>	118
<i>notatella</i> (Hübner)	40	<i>OCHROPACHA</i>	83	<i>ORTHOTAELIA</i>	23
<i>NOTODONTA</i>	106	<i>OCHROPLEURA</i>	112	<i>ORTHOTAENIA</i>	53
<i>nubiferana</i> (Haworth)	53	<i>OCHSENHEIMERIA</i>	25	<i>osseana</i> (Scopoli)	50
<i>nubilalis</i> (Hübner)	66	<i>OCNEROSTOMA</i>	25	<i>ostrina</i> (Hübner)	131
<i>NUDARIA</i>	109	<i>oculea</i> (Linnaeus)	128	<i>ostrinalis</i> (Hübner)	66
<i>nupta</i> (Linnaeus)	134	<i>ODEZIA</i>	98	<i>OSTRINIA</i>	66
<i>NYCTEOLA</i>	131	<i>ODONTOGNOPHOS</i>	104	<i>otidipennella</i> (Hübner)	31
<i>nylandriella</i> (Tengström)	9	<i>ODONTOPERA</i>	100	<i>OURAPTERYX</i>	100
<i>nymphaeata</i> (Linnaeus)	66	<i>ODONTOSIA</i>	107	<i>oxyacanthae</i> (Frey)	19
<i>NYMPHULA</i>	66	<i>OEGOCONIA</i>	44	<i>oxyacanthae</i> (Linnaeus)	121
<i>obelisca grisea</i> (Tutt)	111	<i>oehlmanniella</i> (Hübner)	11	<i>oxyacanthella</i> (Stainton)	9
<i>obeliscata</i> (Hübner)	90	<i>OIDAEMATOPHORUS</i>	72	<i>OXYPTILUS</i>	71
<i>obfuscatus</i> (D. & S.)	104	<i>OINOPHILA</i>	17	<i>pactolia</i> Meyrick	15
<i>obliquella</i> (Heinemann)	8	<i>oleracea</i> (Linnaeus)	116	<i>padella</i> (Linnaeus)	24
<i>oblitella</i> (Zeller)	69	<i>OLETHREUTES</i>	52	<i>paleana</i> (Hübner)	48
<i>oblonga</i> (Haworth)	125	<i>OLIGIA</i>	126	<i>pallens</i> (Linnaeus)	119
<i>obscenella</i> H.-S.	30	<i>OLINDIA</i>	52	<i>pallescentella</i> Stainton	17
<i>obscurata</i> (D. & S.)	104	<i>olivalis</i> (D. & S.)	67	<i>pallida</i> (Curtis)	65
<i>obscurepunctella</i>		<i>olivana</i> (Treitschke)	53	<i>pallidactyla</i> (Haworth)	71
(Stainton)	32	<i>olivata</i> (D. & S.)	90	<i>pallidana</i> Zeller	47
<i>obsitalis</i> (Hübner)	135	<i>OMPHALOSCELIS</i>	122	<i>pallidiata</i> (Hufnagel)	66
<i>obsoletella</i> (Fischer von		<i>OPEROPHTERA</i>	92	<i>pallorella</i> (Zeller)	37
Röslerstamm)	41	<i>ophiogramma</i> (Esper)	126	<i>palpina</i> (Clerck)	107
<i>obstipata</i> (Fabricius)	85	<i>opima</i> (Hübner)	118	<i>PALPITA</i>	68
<i>obtusana</i> (Haworth)	55	<i>OPISTHOGRAPTIS</i>	99	<i>palumbella</i> (D. & S.)	68
<i>obumbratana</i> (Lienig and		<i>OPOSTEGA</i>	10	<i>palustrana</i> (Lienig and	
Zeller)	59	<i>OPSIBOTYS</i>	67	Zeller)	53

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<i>PAMMENE</i>	60	<i>pellionella</i> Linnaeus	17	<i>phlaeas hibernica</i>	
<i>pamphilus pamphilus</i>		<i>peltigera</i> (D. & S.)	130	Goodson	75
(Linnaeus)	80	<i>PELURGA</i>	88	<i>PHLOGOPHORA</i>	124
<i>PANCALIA</i>	45	<i>PEMPELIA</i>	68	<i>PHLYCTAENIA</i>	67
<i>pandalis</i> (Hübner)	66	<i>PEMPELIELLA</i>	69	<i>phoeniceata</i> (Rambur)	97
<i>PANDEMIS</i>	47	<i>pennaria</i> (Linnaeus)	100	<i>PHOTEDES</i>	127
<i>PANEMERIA</i>	130	<i>pentadactyla</i> (Linnaeus)	72	<i>PHRAGMATOBIA</i>	110
<i>PANOLIS</i>	118	<i>penziana bellana</i> (Curtis)	50	<i>phragmitella</i> (Hübner)	64
<i>PAPESTRA</i>	116	<i>penziana colquhounana</i>		<i>phragmitella</i> Stainton	45
<i>paphia</i> (Linnaeus)	78	(Barrett)	50	<i>PHTHEOCHROA</i>	45
<i>PAPILIO</i>	73	<i>PERCONIA</i>	104	<i>PHYCITA</i>	69
<i>papilionaria</i> (Linnaeus)	84	<i>PERIBATODES</i>	101	<i>PHYCITODES</i>	70
<i>pappiferella</i> Hofmann	31	<i>peribenanderi</i> Toll	30	<i>PHYLLOCNISTIS</i>	21
<i>PARADARISA</i>	103	<i>PERIDROMA</i>	113	<i>PHYLLONORYCTER</i>	19
<i>paradoxa</i> (Frey)	9	<i>PERINEPHELA</i>	67	<i>PHYLLOPORIA</i>	11
<i>PARADRINA</i>	130	<i>PERITTIA</i>	32	<i>PHYTOMETRA</i>	134
<i>PARAPOYNX</i>	66	<i>PERIZOMA</i>	92	<i>picaepennis</i> (Haworth)	45
<i>PARARGE</i>	78	<i>perlella</i> (Scopoli)	64	<i>piercei</i> Obraztsov	46
<i>PARASEMLA</i>	109	<i>permixtana</i> (D. & S.)	46	<i>PIERIS</i>	74
<i>PARASTICHTIS</i>	124	<i>permutana</i> (Duponchel)	52	<i>pigra</i> (Hufnagel)	107
<i>PARASWAMMERDAMIA</i>	24	<i>perplexa capsophila</i>		<i>pilosaria</i> (D. & S.)	100
<i>PARATALANTA</i>	66	(Duponchel)	117	<i>pimpinellata</i> (Hübner)	96
<i>parenthesella</i> (Linnaeus)	25	<i>perpygmaeella</i>		<i>pinella</i> (Linnaeus)	64
<i>PAREULYPE</i>	91	(Doubleday)	9	<i>pinguinalis</i> (Linnaeus)	68
<i>paripennella</i> Zeller	30	<i>persicariae</i> (Linnaeus)	116	<i>pinaria</i> (Linnaeus)	103
<i>paripunctella</i> (Thunberg)	39	<i>petiverella</i> (Linnaeus)	62	<i>pinariella</i> Zeller	25
<i>PARORNIX</i>	18	<i>PETROPHORA</i>	99	<i>PINIPHILA</i>	53
<i>parva</i> (Hübner)	131	<i>PHALERA</i>	107	<i>pinivorana</i> (Lienig and	
<i>parvidactylus</i> (Haworth)	71	<i>PHALONIDIA</i>	46	Zeller)	59
<i>pascuella</i> (Linnaeus)	64	<i>phasianipennella</i>		<i>pisi</i> (Linnaeus)	116
<i>PASIPHILA</i>	97	(Hübner)	18	<i>plagiata plagiata</i>	
<i>pastinacella</i> (Duponchel)	36	<i>PHAULERNIS</i>	63	(Linnaeus)	97
<i>paupella</i> (Zeller)	39	<i>PHEOSIA</i>	106	<i>plagicolella</i> (Stainton)	8
<i>pavonia</i> (Linnaeus)	82	<i>PHIGALIA</i>	100	<i>PLAGODIS</i>	99
<i>PECHIPOGO</i>	135	<i>PHILEDONE</i>	49	<i>plantaginis plantaginis</i>	
<i>pectinataria</i> (Knoch)	90	<i>PHILEDONIDES</i>	49	(Linnaeus)	110
<i>pectinea</i> Haworth	11	<i>PHILEREME</i>	91	<i>PLATYPTILIA</i>	71

<i>PLATYTES</i>	65	<i>posticana</i> (Zetterstedt)	59	<i>pseudospretella</i> (Stainton)	35
<i>plebeja</i> (Linnaeus)	115	<i>postvittana</i> (Walker)	49	<i>PSEUDOSWAMMER-</i>	
<i>plebejana</i> Zeller	56	<i>potatoria</i> (Linnaeus)	82	<i>DAMIA</i>	24
<i>plecta</i> (Linnaeus)	112	<i>potentillae</i> Elisha	28	<i>PSEUDOTELPHUSA</i>	39
<i>PLEMYRIA</i>	89	<i>poterii</i> f. <i>serella</i>		<i>PSEUDOTERPNA</i>	83
<i>PLEUROPTYA</i>	67	(Stainton)	8	<i>psi</i> (Linnaeus)	123
<i>PLEUROTA</i>	35	<i>praeangusta</i> (Haworth)	44	<i>PSYCHE</i>	14
<i>plexippus</i> (Linnaeus)	80	<i>praecox</i> (Linnaeus)	112	<i>PSYCHOIDES</i>	15
<i>PLODIA</i>	70	<i>praelatella</i> (D. & S.)	11	<i>PTERAPHERAPTERYX</i>	98
<i>plumbagana</i> (Treitscke)	62	<i>prasina</i> (D. & S.)	115	<i>pterodactyla</i> (Linnaeus)	71
<i>plumbana</i> (Scopoli)	63	<i>prasinana britannica</i>		<i>PETROPHORA</i>	96
<i>plumbella</i> (D. & S.)	24	Warren	131	<i>PTEROPHORUS</i>	72
<i>plumbeolata</i> (Haworth)	93	<i>PRAYS</i>	25	<i>PTEROSTOMA</i>	107
<i>plumella</i> (D. & S.)	15	<i>primaria</i> (Haworth)	104	<i>PTILODON</i>	107
<i>PLUSIA</i>	133	<i>proboscidalis</i> (Linnaeus)	135	<i>PTOCHEUUSA</i>	39
<i>PLUTELLA</i>	26	<i>PROCHOREUTIS</i>	22	<i>PTYCHOLOMA</i>	49
<i>poae</i> Stainton	32	<i>profundana</i> (D. & S.)	55	<i>pubicornis</i> (Haworth)	11
<i>podana</i> (Scopoli)	48	<i>PROLITA</i>	41	<i>pudibunda</i> (Linnaeus)	108
<i>POECILOCAMPA</i>	81	<i>pronuba</i> (Linnaeus)	112	<i>pudorina</i> (D. & S.)	119
<i>POLIA</i>	115	<i>pronubana</i> (Hübner)	48	<i>pulchella</i> (Linnaeus)	109
<i>politella</i> (Stainton)	39	<i>propinquella</i> (Stainton)	44	<i>pulchellata hebudium</i>	
<i>POLYCHRYZIA</i>	132	<i>propinquella</i> (Treitschke)	37	Sheldon	93
<i>POLYGONIA</i>	77	<i>PROTODELTOTE</i>	131	<i>pulchellata pulchellata</i>	
<i>POLYMIXIS</i>	121	<i>proximella</i> (Hübner)	40	Stephens	93
<i>POLYOMMATUS</i>	76	<i>pruinata atropunctaria</i>		<i>pulcherrimella</i> Stainton	36
<i>pomonella</i> (Linnaeus)	62	(Walker)	83	<i>pulchrina</i> (Haworth)	133
<i>PONTIA</i>	74	<i>prunalis</i> (D. & S.)	67	<i>pulicariae</i> (Klimesch)	26
<i>populana</i> (Fabricius)	60	<i>prunaria</i> (Linnaeus)	100	<i>pulveraria</i> (Linnaeus)	99
<i>populata</i> (Linnaeus)	89	<i>prunata</i> (Linnaeus)	89	<i>pulverosella</i> (Stainton)	6
<i>populella</i> (Clerck)	43	<i>pruniana</i> (Hübner)	53	<i>punctaria</i> (Linnaeus)	84
<i>populeti</i>	118	<i>pruniella</i> (Clerck)	23	<i>punctidactyla</i> (Haworth)	71
<i>populetorum</i> (Zeller)	18	<i>PSEUDARGYROTOZA</i>	50	<i>punctinalis</i> (Scopoli)	102
<i>populi</i> (Linnaeus)	81	<i>PSEUDATEMELIA</i>	36	<i>punctulata</i> (D. & S.)	103
<i>populi</i> (Linnaeus)	105	<i>PSEUDOCOCCYX</i>	59	<i>puppillaria</i> (Hübner)	84
<i>porcellus</i> (Linnaeus)	106	<i>PSEUDOIPS</i>	131	<i>purpuralis</i> (Linnaeus)	66
<i>porphyrea</i> (D. & S.)	113	<i>PSEUDOPANTHERA</i>	99	<i>purpuralis sabulosa</i>	
<i>porrectella</i> (Linnaeus)	26	<i>PSEUDOPOSTEGA</i>	10	Tremewan	14

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<i>purpurea</i> (Haworth)	37	<i>quinqueguttella</i>		<i>RHYACIONIA</i>	59
<i>pusaria</i> (Linnaeus)	103	(Stainton)	20	<i>ribeata</i> (Clerck)	102
<i>pusillata pusillata</i>		<i>rajella</i> (Linnaeus)	20	<i>ripae</i> (Hübner)	112
(D. & S.)	96	<i>ramella</i> (Linnaeus)	55	<i>RIVULA</i>	135
<i>puta puta</i> (Hübner)	112	<i>ramosella</i> Zeller	30	<i>rivulana</i> (Scopoli)	52
<i>putnami gracilis</i>		<i>rapae</i> (Linnaeus)	74	<i>rivularis</i> (Fabricius)	117
(Lempke)	133	<i>raschkiella</i> (Zeller)	44	<i>roborana</i> (D. & S.)	58
<i>putris</i> (Linnaeus)	112	<i>ratzeburgiana</i>		<i>roborella</i> (D. & S.)	69
<i>pygarga</i> (Hufnagel)	131	(Ratzeburg)	57	<i>roboris</i> (Zeller)	19
<i>pygmaeata</i> (Hübner)	94	<i>reali</i> Reissinger	73	<i>robusta</i> Walker	134
<i>pygmaeella</i> (D. & S.)	23	<i>reaumurella</i> (Linnaeus)	12	<i>robustana</i> (Christoph)	54
<i>pygmina</i> (Haworth)	127	<i>rectangulata</i> (Linnaeus)	97	<i>robustella</i> Jäckh	18
<i>PYLA</i>	68	<i>rectilinea</i> (Esper)	125	<i>rosaceana</i> (Schläger)	52
<i>pyralella</i> (D. & S.)	65	<i>regiana</i> (Zeller)	60	<i>rosaecolana</i> (Doubleday)	58
<i>pyraliata</i> (D. & S.)	89	<i>regificella</i> Sircom	32	<i>rosana</i> (Linnaeus)	48
<i>PYRALIS</i>	68	<i>reliquana</i> (Hübner)	54	<i>rotundella</i> (Douglas)	37
<i>pyramidea</i> (Linnaeus)	124	<i>remissa</i> (Hübner)	125	<i>ruberata</i> (Freyer)	90
<i>PYRAUSTA</i>	66	<i>repandaria</i> (Hufnagel)	99	<i>rubi</i> (Linnaeus)	75
<i>pyrella</i> (Villers)	24	<i>repandata repandata</i> f.		<i>rubi</i> (Linnaeus)	81
<i>pyrina</i> (Linnaeus)	13	<i>muraria</i> Curtis	102	<i>rubi</i> (Vieweg)	114
<i>pyritoides</i> (Hufnagel)	82	<i>resplendella</i> (Stainton)	12	<i>rubigana</i> (Treitschke)	47
<i>PYRONIA</i>	79	<i>reticulata hibernica</i>		<i>rubiginata rubiginata</i>	
<i>PYRRHIA</i>	130	Cockayne	116	(D. & S.)	89
<i>pyrrhulipennella</i> Zeller	30	<i>retinella</i> Zeller	23	<i>rubiginosana</i> (H.-S.)	56
<i>quadra</i> (Linnaeus)	109	<i>revayana</i> (Scopoli)	132	<i>rubivora</i> (Wocke)	6
<i>quadrana</i> (Hübner)	58	<i>rhamni gravesi</i> Huggins	74	<i>rubricollis</i> (Linnaeus)	109
<i>quadrinaculana</i>		<i>rhediella</i> (Clerck)	60	<i>rubricosa</i> (D. & S.)	115
(Haworth)	54	<i>RHEUMAPTERA</i>	91	<i>rufa</i> (Haworth)	129
<i>quadrinaculella</i>		<i>RHIGOGNOSTIS</i>	26	<i>rufana</i> (D. & S.)	52
(Boheman)	6	<i>RHIZEDRA</i>	129	<i>rufescens</i> (Haworth)	43
<i>quadripuncta</i> (Haworth)	44	<i>RHODOMETRA</i>	85	<i>ruficapitella</i> (Haworth)	9
<i>quercana</i> (Fabricius)	36	<i>rhibana</i> (D. & S.)	51	<i>ruficiliana</i> (Haworth)	47
<i>quercifoliella</i> (Zeller)	19	<i>rhombella</i> (D. & S.)	41	<i>ruficornis</i> (Hufnagel)	107
<i>quercinaria</i> (Hufnagel)	100	<i>rhomboidaria</i> (D. & S.)	101	<i>rufifasciata</i> (Haworth)	97
<i>quercus</i> (Linnaeus)	75	<i>rhomboidella</i> (Linnaeus)	43	<i>rufimitrella</i> (Scopoli)	12
<i>quercus</i> f. <i>callunae</i>		<i>RHOPOBOTA</i>	57	<i>rufocinerea</i> (Haworth)	32
Palmer	81	<i>RHYACIA</i>	112	<i>rumicis</i> (Linnaeus)	123

<i>rupicola</i> (Curtis)	47	<i>SCHRECKENSTEINIA</i>	63	<i>septembrella</i> (Stainton)	7
<i>ruralis</i> (Scopoli)	67	<i>schulziana</i> (Fabricius)	53	<i>sericealis</i> (Scopoli)	135
<i>ruricolella</i> (Stainton)	16	<i>schumacherana</i>		<i>sericiella</i> (Haworth)	12
<i>rurinana</i> (Linnaeus)	49	(Fabricius)	52	<i>serratella</i> (Linnaeus)	27
<i>RUSINA</i>	124	<i>schwarzella</i> (Fabricius)	45	<i>serricornis</i> (Stainton)	34
<i>sacraria</i> (Linnaeus)	85	<i>schwarziellus</i> Zeller	11	<i>SESIA</i>	21
<i>salaciella</i> (Treitschke)	10	<i>scirpi</i> (Stainton)	34	<i>SETINA</i>	108
<i>salicata latentaria</i>		<i>scoliaeformis</i>		<i>sexalata</i> (Retzius)	98
(Curtis)	89	(Borkhausen)	22	<i>sexguttella</i> (Thunberg)	38
<i>salicella</i> (Hübner)	36	<i>SCOLIOPTERYX</i>	134	<i>sexpunctella</i> (Fabricius)	41
<i>salicicolella</i> (Sircom)	20	<i>scolopacina</i> (Esper)	126	<i>sexstrigata</i> (Haworth)	114
<i>salicis</i> (Linnaeus)	108	<i>SCOPARIA</i>	65	<i>SHARGACUCULLIA</i>	120
<i>salicis</i> (Stainton)	8	<i>scopariella</i> (Zeller)	20	<i>siccifolia</i> Stainton	28
<i>salicitella viminiella</i>		<i>SCOPULA</i>	84	<i>SIDERIDIS</i>	116
(Sircom)	20	<i>scoticella</i> (Stainton)	19	<i>signatana</i> (Douglas)	56
<i>salicorniae</i> (H. & W.)	32	<i>SCOTOPTERYX</i>	86	<i>silacea</i> (D. & S.)	89
<i>salopiella</i> (Stainton)	5	<i>SCROBIPALPA</i>	41	<i>similella</i> (Hübner)	35
<i>samadensis plantaginella</i>		<i>scutosa</i> (D. & S.)	131	<i>similis</i> (Fuessly)	108
(Stainton)	41	<i>scutulana</i> (D. & S.)	58	<i>similis</i> (Stainton)	39
<i>sambucaria</i> (Linnaeus)	100	<i>SCYTHRIS</i>	45	<i>simpliciana</i> (Haworth)	63
<i>sangiella</i> (Stainton)	42	<i>secalis</i> (Linnaeus)	127	<i>simpliciata</i> (Haworth)	96
<i>sangii</i> (Wood)	5	<i>segetum</i> (D. & S.)	111	<i>simpliciella</i> (Stephens)	22
<i>sanguinalis</i> (Linnaeus)	66	<i>sehestediana</i> (Fabricius)	22	<i>simulans</i> (Hufnagel)	112
<i>sannio</i> (Linnaeus)	110	<i>selasella</i> (Hübner)	64	<i>sinapis</i> (Linnaeus)	73
<i>sarcitrella</i> (Linnaeus)	35	<i>SELENIA</i>	100	<i>sinapis juvernica</i>	
<i>SATURNIA</i>	82	<i>SELIDOSOMA</i>	101	Williams	73
<i>satyrata callunaria</i>		<i>semele clarensis</i> de Lattin	79	<i>sinuella</i> (Fabricius)	70
Doubleday	94	<i>semele hibernica</i> Howarth	79	<i>siterata</i> (Hufnagel)	89
<i>saucia</i> (Hübner)	113	<i>semifasciana</i> (Haworth)	54	<i>SMERINTHUS</i>	105
<i>saxicola</i> (Vaughan)	70	<i>semifulvella</i> Haworth	17	<i>socia</i> (Hufnagel)	120
<i>saxicolella</i> (Duponchel)	30	<i>semifusca</i> (Haworth)	23	<i>sociana</i> (Haworth)	57
<i>saxifragae</i> (Stainton)	24	<i>semipurpurella</i> (Stephens)	5	<i>sociella</i> (Linnaeus)	68
<i>scabrella</i> (Linnaeus)	25	<i>semitestacella</i> (Curtis)	24	<i>sodaliana</i> (Haworth)	46
<i>schalleriana</i> (Linnaeus)	51	<i>senecionana</i> (Hübner)	49	<i>solandriana</i> (Linnaeus)	56
<i>SCHINIA</i>	131	<i>senectella</i> (Zeller)	39	<i>somnulentella</i> (Zeller)	27
<i>schoenicolella</i> Boyd	22	<i>senex</i> (Hübner)	108	<i>sorbi</i> (Frey)	19
<i>SCHRANKIA</i>	135	<i>senilella</i> (Zetterstedt)	26	<i>sorbi</i> (Stainton)	8

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<i>sorbiella</i> (Treitschke)	23	<i>stephensiana</i> (Doubleday)	50	(Stainton)	37
<i>sordens</i> (Hufnagel)	126	<i>stephensiana</i> f.		<i>subpurpurella</i> (Haworth)	5
<i>sordidana</i> (Hübner)	56	<i>octomaculana</i> Curtis	50	<i>subsequana</i> (Haworth)	55
<i>SORHAGENIA</i>	45	<i>sternipennella</i>		<i>subsericeata</i> (Haworth)	85
<i>sororculana</i> (Zetterstedt)	54	(Zetterstedt)	31	<i>subtusa</i> (D. & S.)	124
<i>sororculella</i> (Hübner)	41	<i>sticticana</i> (Fabricius)	58	<i>subumbrata</i> (D. & S.)	96
<i>sororiata anglica</i> Prout	97	<i>stigmatella</i> (Fabricius)	18	<i>succedana</i> (D. & S.)	61
<i>spadicearia</i> (D. & S.)	86	<i>STIGMELLA</i>	7	<i>succenturiata</i> (Linnaeus)	96
<i>sparganella</i> (Thunberg)	23	<i>STILBIA</i>	130	<i>suffumata</i> (D. & S.)	88
<i>sparganii</i> (Esper)	129	<i>straminata</i> (Borkhausen)	85	<i>suffusella</i> (Douglas)	38
<i>sparrmannella</i> (Bosc)	5	<i>straminea</i> (Haworth)	46	<i>sulphurella</i> (Fabricius)	35
<i>sparsana</i> (D. & S.)	51	<i>straminea</i> (Treitschke)	119	<i>suspecta</i> (Hübner)	124
<i>spartiella</i> (Schrank)	43	<i>straminella</i> (D. & S.)	64	<i>svenssoni</i> (Johansson)	9
<i>spartifoliella</i> (Hübner)	26	<i>strataria</i> (Hufnagel)	101	<i>swammerdamella</i>	
<i>spectrana</i> (Treitschke)	49	<i>stratitota</i> (Linnaeus)	66	(Linnaeus)	11
<i>sphinx</i> (Hufnagel)	120	<i>striana</i> (D. & S.)	52	<i>SWAMMERDAMIA</i>	24
<i>SPILONOTA</i>	59	<i>striatipennella</i> Nylander	30	<i>sylvata</i> (D. & S.)	98
<i>SPILOSOMA</i>	110	<i>strigana</i> (Fabricius)	60	<i>sylvata</i> (Scopoli)	98
<i>spinella</i> (Schrank)	27	<i>strigilata</i> (Linnaeus)	135	<i>sylvaticella</i> Wood	31
<i>spiniana</i> (Duponchel)	60	<i>strigilis</i> (Linnaeus)	126	<i>sylvestrana</i> (Curtis)	59
<i>spinicolella</i> (Zeller)	20	<i>strigillaria</i> (Hübner)	104	<i>SYNANSPHECIA</i>	22
<i>spinosella</i> Stainton	23	<i>STROPHEDRA</i>	60	<i>SYNANTHEDON</i>	22
<i>spinosissimae</i> (Waters)	9	<i>suasa</i> (D. & S.)	116	<i>SYNCOPACMA</i>	42
<i>splendana</i> (Hübner)	62	<i>subalbidella</i> Schläger	34	<i>SYNDEMIS</i>	48
<i>splendidissimella</i> (H.-S.)	7	<i>subarcuana</i> (Douglas)	55	<i>SYNGRAPHIA</i>	133
<i>splendidulana</i> (Guenée)	60	<i>subbimaculella</i> (Haworth)	7	<i>syringaria</i> (Linnaeus)	99
<i>SPODOPTERA</i>	130	<i>subbistrigella</i> (Haworth)	44	<i>syringella</i> (Fabricius)	18
<i>SPULERIA</i>	45	<i>subdecurtella</i> (Stainton)	39	<i>taenialis</i> (Hübner)	135
<i>stagnana</i> (D. & S.)	57	<i>subfasciella</i> (Stephens)	25	<i>taeniata</i> (Stephens)	92
<i>stagnata</i> (Donovan)	66	<i>subfusca</i> Haworth	65	<i>taeniipennella</i> H.-S.	31
<i>STANDFUSSIANA</i>	112	<i>subfuscata</i> (Haworth)	95	<i>taeniolella</i> (Zeller)	43
<i>statices</i> (Linnaeus)	13	<i>sublustis</i> (Esper)	125	<i>tages baynesi</i> Huggins	72
<i>STAUROPUS</i>	107	<i>subnigrella</i> Douglas	32	<i>tages tages</i> (Linnaeus)	72
<i>steinbachi</i> Rothschild	110	<i>subnitidella</i> (Duponchel)	7	<i>tamesis</i> Waters	31
<i>stellatarum</i> (Linnaeus)	105	<i>subocellana</i> (Donovan)	55	<i>tantillaria</i> Boisduval	97
<i>STENOLECHIA</i>	39	<i>subocellea</i> (Stephens)	33	<i>tapetzella</i> (Linnaeus)	16
<i>STENOPTILIA</i>	71	<i>subpropinquella</i>		<i>tarsipennalis</i> (Treitschke)	135

<i>taurella</i> (D. & S.)	25	<i>THUMATHA</i>	108	<i>trifasciella</i> (Haworth)	21
<i>TEBENNA</i>	22	<i>THYATIRA</i>	82	<i>trifoliana</i> (H.-S.)	54
<i>tedella</i> (Clerck)	56	<i>THYSANOPLUSIA</i>	132	<i>trifolii</i> (Curtis)	28
<i>TELEIODES</i>	40	<i>TIMANDRA</i>	84	<i>trifolii</i> (Hufnagel)	115
<i>TELEIOPSIS</i>	40	<i>TINEA</i>	17	<i>TRIFURCULA</i>	7
<i>temerata</i> (D. & S.)	103	<i>TINEOLA</i>	16	<i>trigonella</i> (Linnaeus)	56
<i>temerella</i>		<i>tipuliformis</i> (Clerck)	22	<i>trigrammica</i> (Hufnagel)	129
(Lienig & Zeller)	43	<i>TISCHERIA</i>	10	<i>trimaculana</i> (Haworth)	58
<i>templi</i> (Thunberg)	120	<i>tithonus britanniae</i>		<i>trimaculella</i> (Haworth)	9
<i>tenebrata</i> (Scopoli)	130	(Verity)	79	<i>tringipennella</i> (Zeller)	18
<i>tenebrella</i> (Hübner)	38	<i>tityrella</i> (Stainton)	9	<i>trinitella</i> Thunberg	17
<i>tenebrosana</i> (Duponchel)	61	<i>tityus</i> (Linnaeus)	105	<i>tripartita</i> (Hufnagel)	133
<i>tenerana</i> (D. & S.)	55	<i>togata</i> (Esper)	122	<i>TRIPHOSA</i>	91
<i>tenuiata</i> (Hübner)	93	<i>torquillella</i> (Zeller)	19	<i>triplasia</i> (Linnaeus)	133
<i>tephradactyla</i> (Hübner)	72	<i>TORTRICODES</i>	50	<i>tripunctaria</i> H.-S.	95
<i>terminella</i> (H. & W.)	44	<i>TORTRIX</i>	51	<i>trisignaria</i> H.-S.	94
<i>ternata</i> Schrank	85	<i>TRACHYCERA</i>	68	<i>tristata</i> (Linnaeus)	87
<i>terrella</i> (D. & S.)	39	<i>tragopoginis</i> (Clerck)	124	<i>tristella</i> (D. & S.)	64
<i>tersata</i> (D. & S.)	91	<i>transversa</i> (Hufnagel)	122	<i>tristrigella</i> (Haworth)	21
<i>tesseradactyla</i> (Linnaeus)	71	<i>transversata britannica</i>		<i>tritici</i> (Linnaeus)	111
<i>testacea</i> (D. & S.)	127	Lempke	91	<i>trochilella</i> (Duponchel)	30
<i>testata</i> (Linnaeus)	89	<i>trapeziella</i> (Stainton)	34	<i>truncata</i> (Hufnagel)	89
<i>TETHEA</i>	82	<i>trapezina</i> (Linnaeus)	125	<i>truncicolella</i> (Stainton)	65
<i>TETHEELLA</i>	83	<i>tremula</i> (Clerck)	107	<i>trux lunigera</i> Stephens	111
<i>tetragonana</i> (Stephens)	58	<i>triangulum</i> (Hufnagel)	114	<i>tullia polydama</i>	
<i>tetrapunctella</i> (Thunberg)	39	<i>triatomea</i> (Haworth)	33	(Howarth)	80
<i>tetraquetrana</i> (Haworth)	55	<i>TRIAXOMERA</i>	16	<i>turbidana</i> Hübner	54
<i>thalassina</i> (Hufnagel)	116	<i>TRICHIURA</i>	81	<i>turbidana</i> (Treitschke)	58
<i>THALPOPHILA</i>	124	<i>TRICHOPHAGA</i>	16	<i>typhae</i> (Thunberg)	129
<i>THAUMATOTIBIA</i>	60	<i>TRICHOPLUSIA</i>	132	<i>typica</i> (Linnaeus)	115
<i>THECLA</i>	75	<i>TRICHOPTERYX</i>	98	<i>TYRIA</i>	110
<i>THERA</i>	90	<i>tricolorella</i> (Haworth)	42	<i>uddmanniana</i> (Linnaeus)	58
<i>THERIA</i>	104	<i>tridactyla phillipsi</i>		<i>UDEA</i>	67
<i>therinella</i> Tengström	30	Huggins	72	<i>uliginosellus</i> Zeller	64
<i>THOLERA</i>	117	<i>tridens</i> (D. & S.)	123	<i>ulmariae</i> (Wocke)	8
<i>thrasonella</i> (Scopoli)	23	<i>tridens occidentalis</i>		<i>ulmella</i> Zeller	17
<i>THRIA</i>	134	Cockayne	128	<i>ulmifoliella</i> (Hübner)	21

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<i>ulmivora</i> (Fologne)	9	<i>VENUSIA</i>	98	<i>xanthomista statices</i>	
<i>ultimella</i> Stainton	36	<i>verbasci</i> (Linnaeus)	120	(Gregson)	121
<i>umbellana</i> (Fabricius)	37	<i>verhuella</i> Bruand	15	<i>XANTHORHOE</i>	85
<i>umbra</i> (Hufnagel)	130	<i>versicolor</i> (Borkhausen)	126	<i>XENOLECHIA</i>	39
<i>umbratica</i> (Linnaeus)	119	<i>versurella</i> Zeller	31	<i>XESTIA</i>	114
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The uncertain	129	Wasp moths	110	Yellow-tail	108
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The vapourer	108	Water veneer	66	Yucca moths	11
The vestal	85	Waved carpet	98		
The wormwood	116	Waved umber	101		
Thistle ermine	69	Wax moth	68		

ADDITIONS, DELETIONS AND CORRECTIONS TO AN ANNOTATED CHECKLIST OF THE IRISH BUTTERFLIES AND MOTHS (LEPIDOPTERA) WITH A CONCISE CHECKLIST OF IRISH SPECIES AND *ELACHISTA BIATOMELLA* (STANTON, 1848) NEW TO IRELAND

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Abstract

Additions, deletions and corrections are made to the Irish checklist of butterflies and moths (Lepidoptera). *Elachista biatomella* (Stainton, 1848) is added to the Irish list. The total number of confirmed Irish species of Lepidoptera now stands at 1480.

Key words: Lepidoptera, additions, deletions, corrections, Irish list, *Elachista biatomella*

Introduction

Bond, Nash and O'Connor (2006) provided a checklist of the Irish Lepidoptera. Since its publication, many new discoveries have been made and are reported here. In addition, several deletions have been made. A concise and updated checklist is provided. The following abbreviations are used in the text: BM(NH) – The Natural History Museum, London; NMINH – National Museum of Ireland, Natural History, Dublin. The total number of confirmed Irish species now stands at 1480, an addition of 68 since Bond *et al.* (2006).

Taxonomic arrangement

As a result of recent systematic research, it has been necessary to replace the arrangement familiar to British and Irish Lepidopterists by the Fauna Europaea [FE] system used by Karsholt

and Razowski, which is widely used in continental Europe. While the FE species numbering system is also adopted in this checklist, in order to assist those familiar with the Bradley and Fletcher numbering system, the FE species numbers are followed, in square brackets, by the Bradley and Fletcher numbers. The FE sequence is strictly followed throughout, except in a few cases where newer generic combinations would have meant splitting families or genera, e.g. in the families Oecophoridae and Elachistidae. The former families Lymantridae and Arctiidae have been combined into the Erebidae, which follows the Noctuidae and the Nolidae respectively, the latter of these including some species previously placed in the Noctuidae.

Species added to the Irish Lepidoptera list since Bond *et al.* (2006)

293 [39]. *Ectoedemia heringi* (Toll, 1934)

Ectoedemia heringi was recorded from St John's Wood, Co. Roscommon, by the senior author on 12 October 2010, and reported as new to Ireland in Langmaid and Young (2011). There is, however, an earlier overlooked record: Heal (unpublished) in his "Miscellaneous notes and observations on the Microlepidoptera of Ireland", writes on p. 81 of finding mines, some tenanted, of this species (as *E. quercifoliae* (Toll, 1943) and *E. subbimaculella* (Haworth, 1828)) at Dixon Park, near Dunmurry, Co. Antrim, in November 1979, and provides a distinguishing feature (larval head colour) for the two species.

1111 [285]. *Caloptilia azaleella* (Brants, 1913)

The Azalea Leaf Miner *Caloptilia azaleella* was recorded in south Belfast, Co. Antrim, on 1 June 2002 (Higgott and Mackie, 2003; Langmaid and Young, 2003).

1129 [284]. *Caloptilia rufipennella* (Hübner, 1796)

Caloptilia rufipennella was recorded from Belfast, Co. Down, on 17 July 2003 by J. B. Higgott (Langmaid and Young, 2006). More recent records are: Gormanston, Co. Meath, 25 August 2007 and 25 July 2001 (E. O'Donnell); Tramore, Co. Waterford, 25 October 2005 (Bryant); Dublin City (National Botanic Gardens), 15 August 2009 and Cork City, 11 August 2011 (the last two by the senior author).

1403 [439]. *Swammerdamia compunctella* Herrich-Schäffer, 1855

Swammerdamia compunctella was recorded in south Belfast, Co. Antrim, on 2 June 2002, as the first Irish record (Higgott and Mackie, 2003; Langmaid and Young, 2003). Older records have, however, been found in collections: a female specimen under “*Swammerdamia caesiella*” labelled “Armagh 27/6/[18]89” was found by the senior author in the Johnson collection in NMNH, and its identity determined by dissection; a 1980 specimen from Loughgall, Co. Armagh has been found in the Faulkner collection; specimens from Brackagh and Aughinlig, both also Co. Armagh, dated 1998 and 1999 respectively, have been found in the Murphy collection (male dissected by the senior author). More recently the senior author took a specimen at Lullymore, Co. Kildare on 8 July 2006.

1442 [409a]. *Argyresthia trifasciata* Staudinger, 1871

This species was taken at Maynooth, Co. Kildare, on 1 June 2006, and has subsequently been taken there annually from mid May until the end of June (Strickland, pers. comm.). Elsewhere, it has been taken in 2010 at Finaghy, Co. Antrim (Mellon, pers. comm.); Dundalk, Co. Louth in 2010, May 2011 and in 2012 by D. Hodgers <<http://pets.groups.yahoo.com/group/MothsIreland/message/7320>>; Sallins, Co. Kildare, May 2011, G. de Jong <<http://pets.groups.yahoo.com/group/MothsIreland/message/05858>>; near Maghera, Co. Derry in late May, 2012 (C. Bertrand, pers. comm.) <<<http://pets.groups.yahoo.com/group/MothsIreland/message/8977>>, and by the senior author in Cork City on 15 May 2012.

1447a [409b]. *Argyresthia cupressella* Walsingham, 1890

Argyresthia cupressella was recorded from Belfast, Co. Antrim, by J. B. Higgott, on 16 July 2003 (Langmaid and Young, 2004; Bond, 2009). More recently it has also been recorded from Maynooth, Co. Kildare (Strickland, pers. comm.).

1572 [476]. *Acrolepia autumnitella* Curtis, 1838

Adults of *Acrolepia autumnitella* were reported from Maynooth, Co. Kildare, in May and July 2009. Subsequently blotch mines belonging to the species were found on bittersweet nightshade, *Solanum dulcamara*, in Cork City in August 2009 (Langmaid and Young, 2010;

Strickland and Bond, 2011). The species was also recorded by E. O'Donnell at Stamullen, Co. Meath on 16 April 2011.

1668 [666]. *Semioscopis avellanella* (Hübner, [1793])

Semioscopis avellanella was recorded from Cratloe Wood, Co. Clare, by K. Hannan on 18 March 2008. The identity of the specimen, a female, was confirmed by dissection by the senior author. The specimen is in the NMINH collections (Reg. No. NMINH 2008: 255). This record is shown on a map by Tyner (2011a). Kane (1901) lists a record from Wicklow by G. V. Hart, but Beirne (1941) considered this record to be unreliable, citing “the foodplant *Tilia parvifolia* is non-indigenous”. *S. avellanella* is now known to feed on a variety of deciduous tree species.

1670 [667]. *Semioscopis steinkellneriana* ([Denis and Schiffermüller], 1775)

Semioscopis steinkellneriana was recorded from Ballynahone Bog and Drumlamph Wood, Co. Derry, in 2010 (Leonard, 2011; Langmaid and Young, 2011).

1874 [595]. *Elachista biatomella* (Stainton, 1848)

New to Ireland

A male specimen in the BM(NH) Collections taken by Bradley at Glengarriff, West Cork in June 1952 has recently been identified as *Elachista biatomella* following dissection by the senior author.

2048 [903]. *Chrysoclista linneella* (Clerck, 1759)

A specimen was photographed at Marina, Cork City, May 2011 by John O'Sullivan. This species was recorded from Holywood, Co. Down (Hogan, 1855), and was also listed from an unstated locality in Haliday's unpublished manuscript, but the records were considered doubtful by Beirne (1941), and the species was omitted in Bond (1995) and Bond *et al.* (2006).

2049 [902]. *Chrysoclista lathamella* T. Fletcher, 1936

Chrysoclista lathamella was recorded from Cronykeery, Co. Wicklow, by A. Tyner on 18 June 2005 (Langmaid and Young, 2006).

2883 [885]. *Mompha conturbatella* (Hübner, [1819])

A female *Mompha conturbatella* was taken at Peatlands Park, Co. Armagh, by K. Murphy on 9 July 2001, det. by the senior author (Bond, 2009). Further recent records include: two sites in Co. Louth: four specimens at Mullaghatin, Cooley Mountains, 28 June to 6 July 2011, and

one at Stormanstown Bog, Ardee on 10 July 2012 (D. Hodgers); Girley Bog, Co. Meath on 27 June 2012 (E. O'Donnell), and Lullymore West and Maynooth, both Co. Kildare, July 2011 (P. Strickland).

2885 [887]. *Mompha lacteella* (Stephens, 1834)

A male was taken at Rathgar, Dublin City on 26 June 1971 by M. Jeffares. The specimen has recently been dissected by the senior author. A 19th century record, possibly from Belfast, referred to by Hogan (1855) was considered doubtful by Beirne (1941).

2904a [874]. *Blastobasis lacticolella* Rebel, 1940

Blastobasis lacticolella was recorded from Cronykeery, Co. Wicklow and Tyrella, Co. Down (as *Blastbasis decolorella* (Wollaston)) (Langmaid and Young, 2003). This spreading species is currently known from a number of sites in eastern Ireland, extending from Co. Antrim southwards to Co. Waterford.

3095 [908]. *Sorhagenia rhamniella* (Zeller, 1839)

Sorhagenia rhamniella was recorded from Coolorta, Co. Clare, on 5 August 2006 (Clancy, 2007a). The record is also given in Langmaid and Young (2007). Records of *Sorhagenia* were previously considered to belong to one species, *S. lophyrella* (Douglas). This species complex was later shown to consist of three species. Bradley's records as "*lophyrella*" are indeed of that species. In addition, a much earlier (1888) specimen of *S. lophyrella* labelled: "Athlone 28-VII-88" was recently found by the senior author in the JJFX King Collection in Glasgow. King's notes indicate that the specimen was taken at Yewpoint, Co. Roscommon, about 7km NNW of Athlone.

3327 [737]. *Monochroa palustrellus* (Douglas, 1850)

Monochroa palustrellus was recorded from Leagh South near Kinvarra, Co. Galway, on 5 August 2006 (Clancy, 2007a). The record is also given in Langmaid and Young (2007).

3400 [758]. *Recurvaria leucatella* (Clerck, 1759)

A female of this species was taken by E. O'Donnell on 23 July 2011 at Monaleen, in the Burren, Co. Clare. The specimen has been deposited in the NMNH collections (Reg. No. 2011.39.1).

3419 [774]. *Teleiodes luculella* (Hübner, [1813])

A male *Teleiodes luculella* was recorded from Cronykeery, Co. Wicklow, by A. Tyner on 10 July 2003 (Langmaid and Young, 2004). The specimen is in the NMINH collections (Reg. No. NMINH 2003: 77). Further specimens have been recorded from this site in 2007, 2010 and 2012. The species has also been recorded from Killarney National Park, North Kerry in 2009 (P. Chapman), and from Killoughrum, Co. Wexford in 2010 and 2012 (M. O'Donnell).

3648 [825]. *Phthorimaea operculella* (Zeller, 1873)

The Potato Tuber Moth, *Phthorimaea operculella*, was recorded from Tramore, Co. Waterford, at a light-trap, on 28 September 2006 (Bryant, 2009b; Langmaid and Young, 2009b). The determination of the specimen, a female, was confirmed by the senior author by dissection. The specimen is in the NMINH collections (Reg. No. NMINH 2008: 25).

3795 [850]. *Syncopacma polychromella* (Rebel, 1902)

This migrant species was recorded from Tramore, Co. Waterford, by T. Bryant on 30 May 2009 (Bryant, 2009c; Bryant and Walsh, 2010; Clancy, 2012). The specimen, a male, is in the NMINH collections (Reg. No. NMINH 2009: 54).

4380 [1059]. *Acleris abietana* (Hübner, 1822)

This species was found on 16 and 20 April 2010, and 30 April 2011 at Mountstewart, Co. Down, by David McCormick. The last of these, a female, was dissected by the senior author.

4385a [1062a]. *Acleris effractana* (Hübner, [1799])

Acleris effractana was recorded from the west of Ireland by Karsholt *et al.* (2005). Their record was based on two specimens, found by the senior author in the Sheldon Collection in BM(NH) labelled "Co. Clare Aug 1929 WGS". Prior to Karsholt *et al.* (2009), this species had been confused with the widespread *A. emargana* (Fabricius). There is also a recent record of a male taken by the senior author at Einagh, in the west of Co. Clare, 2 August 2005. The identity of this specimen was confirmed by dissection.

4482 [1018]. *Cnephasia communana* (Herrich-Schäffer, 1851)

Cnephasia communana was recorded from Copeland Island, Co. Down, by K. Murphy on 16 June 2003 (Bond, 2009). The specimen, a female, was dissected and identified by J. Clifton.

4660 [1112a]. *Bactra venosana* (Zeller, 1847)

A male of this migrant species, which has not been recorded from Great Britain, was taken at Tramore, Co. Waterford on 22 September 2006 (dissected by the senior author) (Bryant and Bond, 2008; Langmaid and Young, 2007a; Clancy, 2008a). The specimen has been deposited in NMINH (Reg. No. 2008.21).

4669 [1101]. *Endothenia ustulana* (Haworth, 1811)

Three specimens taken at Cappoquin, Co. Waterford, were found by the senior author in the J. J. F. X. King collection, Hunterian Museum, Glasgow. They are dated July to August 1902 (Langmaid and Young, 2010).

4793 [1108]. *Lobesia abscisana* (Doubleday, 1849)

Lobesia abscisana was recorded from Stamullen, Co. Meath, by E. O'Donnell on 21 July 2009 (Langmaid and Young, 2009b). There have been several subsequent records: Dundalk, Co. Louth, 2010 and 2011 (D. Hodgers); Cronykeery, Co. Wicklow, 2010, 2011 and 2012 (A. Tyner), and Kilmichael Point, Co. Wexford, 2012 (M. O'Donnell).

4866 [1130]. *Epinotia pygmaeana* (Hübner, [1799])

A specimen of *Epinotia pygmaeana* was taken in a coniferous plantation at Ballyguyroe North in the Ballyhoura Mountains, Co. Cork, on 13 April 2009 (Bond, 2010). A further specimen was taken there by the senior author in April 2011.

4948 [1193]. *Eucosma tripoliana* (Barrett, 1880)

Eucosma tripoliana was recorded from Tramore saltmarsh, Co. Waterford, by T. Bryant on 18 August 2006 (Langmaid and Young, 2009b). A specimen was also taken by K. Murphy in 2005, probably at Mill Bay, Co. Down, but the site of capture remains uncertain. More recent records include Dundalk, Co. Louth in 2011 (D. Hodgers), and Little Island, Co. Cork, 26 July 2012 (the senior author). Specimens from all four locations have been dissected by the senior author.

5042 [1207]. *Clavigesta purdeyi* (Durrant, 1911)

The Pine Leaf-Mining Moth, *Clavigesta purdeyi*, was recorded from Tramore, Co. Waterford, on 4 August 2004 (Bryant, 2007b). A record from Barnland, Co. Wexford, by M.

O'Donnell on 5 August 2006 is given as “New to Ireland” by Langmaid and Young (2007).

5066 [1119a]. *Ancylis diminutana* (Haworth, 1811)

A female of this species, dissected by the senior author, was taken at St John's Wood, Co. Roscommon, by the senior author on 18 June 2010 (Langmaid and Young, 2011).

5154 [1262]. *Cydia amplana* (Hübner, [1800])

The first published Irish record of this species is of a specimen taken at Ashford, Co. Wicklow, by Angus Tyner on 11 August 2004 (Clancy, 2007b). Subsequently, a slightly earlier record was published by Clancy (2008a), Langmaid and Young (2009a) and Bryant (2010a). This referred to a male taken at Tramore, Co. Waterford, on 4 August 2004 by T. Bryant. This specimen was dissected by the senior author, and is in the NMINH collections (Reg. No. NMINH 2009: 55).

5181 [1227]. *Pammene giganteana* (Peyerimhoff, 1863)

A female of this gall-feeding species was taken on 7 April 2011 at Gortnamona, near Ballingeary, West Cork by J. Seawright. The specimen was dissected by the senior author.

5184 [1229]. *Pammene albuginana* (Guenée, 1845)

A male was reared “from decaying beech wood with moss” (Heal card index) on 28 May 1976 (dissected by the senior author) (Bond, 2009). This is the specimen that was referred to as possibly being *Pammene herrichiana* in Bond (1995).

5186 [1225]. *Pammene obscurana* (Stephens, 1834)

This species was recorded from Barnland, Co. Wexford on 11 June 2010 by M. O'Donnell. The identity of the specimen, a male, was determined by dissection by the senior author. A further record is: Lullymore, Co. Kildare, 7 May 2011 (P. Strickland).

5200 [1239]. *Pammene ochsenheimeriana* (Lienig and Zeller, 1846)

A male was taken at Rathescar Wood (O028869), Co. Louth, on 1 June 2011 by D. Hodgers. The identity was confirmed by the senior author following dissection; the specimen is held in NMINH (Reg. No. 2011.23.1).

5205 [1237]. *Pammene germmana* (Hübner, [1799])

Pammene germmana was recorded from Aughinlig, Co. Armagh, on 19 June 2009

(Langmaid and Young, 2010). A further specimen, a female dissected by the senior author, was taken by M. O'Donnell, at Killoughrim Forest, Co. Wexford on 26 June 2010; the species was again recorded there in 2011.

5302 [484]. *Epermenia aequidentellus* (E. Hofmann, 1867)

Epermenia aequidentellus was recorded from Tramore Burrow, Co. Waterford, on 16 July 2006 (Bryant, 2009a; Langmaid and Young, 2009b). The specimen, a female, is in the NMNH collections (Reg. No. 2008: 21).

5305 [481]. *Epermenia falciformis* (Haworth, 1828)

A specimen of *Epermenia falciformis* was taken at Brackagh, Co. Armagh, on 19 June 1998 by Kenny Murphy. More recently it has been taken by the same recorder at several other sites in Co. Armagh, and at Derryvore, Co. Fermanagh, 9 July 2005 (Bond, 2009). The species was also recorded at Lullymore, Co. Kildare on 7 July 2006 by M. O'Donnell.

5454 [1492]. *Crombrugghia laetus* (Zeller, 1847)

Crombrugghia laetus was recorded from Tramore, Co. Waterford, on 27 June 2006 (Bryant and Bond, 2010; Clancy, 2011). The record is given under *Oxyptilus laetus* by Langmaid and Young (2010). A second specimen, a female, was recorded by M. O'Donnell at Kilpatrick, Co. Wexford on 27 June 2011. Both specimens were dissected by the senior author.

5459 [1494]. *Capperia britanniodactyla* (Gregson, 1867)

A specimen was taken on 1 July 2007 at Murlough, Co. Down by K. Murphy (det. J. Clifton). Prior to this the only known Irish specimens were about a dozen labelled "Derry" in the BM(NH) (Shaffer, 1971; Hart, 2011). The species was omitted by Bond (1995) and Bond *et al.* (2006).

5652 [1413]. *Hypsopygia costalis* (Fabricius, 1775)

Two specimens of the Gold Triangle, *Hypsopygia costalis*, were recorded from Cronykeery, Ashford, Co. Wicklow, by A. Tyner, 25 and 28 September 2006 (Langmaid and Young, 2007; Walsh *et al.*, 2009). A further specimen was taken by E. Rolston at Murlough NNR, Co. Down on 13 July 2008.

5658 [1415]. *Hypsopygia glaucinalis* (Linnaeus, 1758)

This species was recorded from Murlough NNR, Co. Down, in August 2012 by A. Crory (per E. Rolston). There are old unconfirmed records of this species from Co. Wicklow (Birchall, 1873; Sinclair, 1879), and from Belfast (Watts, 1894).

***5751 [1441]. *Oncocera semirubella* (Scopoli, 1763)**

This species was recorded (as *Ilythya semirubella*) from Dursey Island, West Cork by Kane (1901). The record was considered in need of confirmation by Beirne (1941) but is included in Sterling and Parsons (2012).

5848 [1465]. *Nephopterix angustella* (Hübner, 1796)

Nephopterix angustella was recorded from Tramore, Co. Waterford, by T. Bryant on 3 September 2010 (Bryant, 2010b; Langmaid and Young, 2011).

6246 [1298]. *Crambus ericella* (Hübner, [1813])

Crambus ericella was recorded from Glennasheever (then referred to as Braade), Co. Fermanagh, by M. R. Young in the period 12-14 July 2002 (Langmaid and Young, 2003).

6314 [1316]. *Catoptria falsella* ([Denis and Schiffermüller], 1775)

A male *Catoptria falsella* was taken at Cronykeery, Co. Wicklow, by A. Tyner on 9 July 2005 (Davis, 2006). The specimen is in the NMINH collections (Reg. No. NMINH 2007: 5). Subsequently a number of further specimens have been recorded at this site, and one was recorded at Blackditch, Co. Wicklow on 22 July 2008 (A. Tyner, pers. comm.).

6367 [1324]. *Pediasia aridella* (Thunberg, 1788)

Pediasia aridella was recorded from Tramore, Co. Waterford, in June and July 2007 (Bryant, 2009a; Langmaid and Young, 2010). A male taken at actinic light-trap on 8 June 2007 is in the NMINH collections (Reg. No. NMINH 2008: 21). In addition, two specimens were recorded at Kilmichael Point, Co. Wexford on 26 June 2009 by M. O'Donnell.

6499 [1357]. *Evergestis extimalis* (Scopoli, 1763)

Evergestis extimalis was recorded at Cronykeery, Co. Wicklow, by A. Tyner on 24 July 2003 (Clancy and Skinner, 2007). The specimen is in the NMINH collections (Reg. No. NMINH 2003: 78).

6521 [1360]. *Hellula undalis* (Fabricius, 1781)

The Old World Webworm, *Hellula undalis*, was recorded from Tramore, Co. Waterford, on 24 September 2006 (Bryant, 2009b; Langmaid and Young, 2009b). The specimen, a male, is in the NMINH collections (Reg. No. NMINH 2008: 25).

6550 [1393]. *Udea uliginosalis* (Stephens, 1834)

Udea uliginosalis was recorded from close to the summit of Corslieve in the Nephin Beg range, Co. Mayo, at a height of about 550m by J. Cromie on 17 July 2004 (Langmaid and Young, 2007). The specimen was not taken, but a photo is available.

6619 [1369]. *Uresiphita gilvata* (Fabricius, 1794)

Uresiphita gilvata was recorded from Tramore, Co. Waterford, on 18 October 2006 (Langmaid and Young, 2009b); the record is also given in Bryant (2010a). The specimen, a male, was dissected by the senior author, and is now in the NMINH collections (Reg. No. NMINH 2009: 56). Four specimens were recorded from Cape Clear Island, Co. Cork 10-13 October 2010 by E. O'Donnell and P. J. O'Keeffe; one of these, a male, is in NMINH (Reg. No. NMINH 2011:1).

6686 [1403a]. *Duponchelia fovealis* Zeller, 1847

This species was found indoors at Lucan, Co. Dublin on 11 January 2010 by P. Strickland <<http://pets.groups.yahoo.com/group/MothsIreland/message/5287>>. A further specimen was taken at a garden light-trap on 1 September 2012 at Finaghy, South Belfast (Co. Antrim) by H. Mellon <<http://pets.groups.yahoo.com/group/MothsIreland/message/9383>>.

6704 [1400]. *Antigastra catalaunalis* (Duponchel, 1833)

Antigastra catalaunalis was recorded from Barnland, Co. Wexford, by M. O'Donnell on 14 October 2005 (Langmaid and Young, 2006). A further specimen was recorded at Cronykeery, Co. Wicklow on 18 October 2005 by A. Tyner. The species was again seen at Barnland, and also at Tramore, Co. Waterford, both on 24 September 2006 (Clancy, 2008).

6819 [1979]. *Mimas tiliae* (Linnaeus, 1758)

The first confirmed Irish record the Lime-hawk Moth is of a specimen recorded from his garden in Drumcondra, Dublin City, on 19 May 2010 by S. Aylward. There are several old,

unconfirmed Irish records in the literature. Note: the species is listed as Irish in Karsholt and Razowski (1996).

6923 [1527]. *Thymelicus lineola* (Ochsenheimer, 1808)

The Essex Skipper, *Thymelicus lineola*, was recorded from Fardystown, Co. Wexford, in August 2006. It has subsequently spread outside the original discovery site (Wilson, Goodwin and Bond, 2009). Originally, it was misidentified as the Small Skipper *Thymelicus sylvestris* (Poda) (Wilson, Goodwin and Bond, 2007).

6924 [1526]. *Thymelicus sylvestris* (Poda, 1761)

The Small Skipper was recorded breeding at a site in Co. Kildare in 2005 (Harding, 2008; Harding and Jacob, in press).

7503 [1646]. *Watsonalla binaria* (Hufnagel, 1767)

The Oak Hook-tip *Watsonalla binaria* was recorded from Carrigmore, Co. Wicklow, by C. Osthoff on 28 July 2008 (Clancy, 2011; Walsh *et al.*, 2011).

7635 [1914]. *Ennomos fuscantaria* (Haworth, 1809)

A specimen of the Dusky Thorn *Ennomos fuscantaria* was taken at light at Cobh, Co. Cork on 30 September 2009 by J. Wilson. An image is available at <<http://www.flickr.com/photos/wilsonjim/3968598649/in/set-72157622240561909>>.

8072 [1691]. *Scopula emutaria* (Hübner, 1809)

Seven examples of the Rosy Wave *Scopula emutaria* were recorded on 12 July 2005 at a Robinson light-trap at Ballinoulart, Co. Wexford, and the species was subsequently found at other sites on the Wexford coast (O'Donnell, 2007). Five specimens were taken on 5 July 2006 at a 15W actinic light-trap at Tramore Burrow, Co. Waterford by T. Bryant (Bryant and Walsh, 2007).

8610 [1865]. *Chesias rufata* (Fabricius, 1775)

The Broom-tip, *Chesias rufata*, was recorded from Glenealy, Co. Wicklow on 24 May 2003, and from Carrigmore, Co. Wicklow on 5 and 12 July 2003 (M. O'Donnell). Further records are as follows: Rathdrum, Co. Wicklow, May 2004 (D. Dennison and L. Taylor); Lackan Wood, Co. Wexford, 2005, 2006 and 2007 and Barnland, Co. Wexford, 2007 (M. O'Donnell);

Carrigmore, Co. Wicklow, 2006, 2007 and 2008 (C. Osthoff).

8654 [1874]. *Euchoeca nebulata* (Scopoli, 1763)

A specimen of the Dingy Shell *Euchoeca nebulata* was recorded from Blackditch, near Newcastle, Co. Wicklow, by A. Tyner on 26 July 2008 (Clancy, 2011; Walsh *et al.*, 2011). This specimen is in the NMINH collections (Reg. No. NMINH 2009: 57). A further specimen was netted by K. Leonard at Ballysallagh, Co. Down on 29 June 2009, and the species was taken at light at three other sites in the north of Co. Down in 2012 (T. Rolston, pers. comm.). In addition, two specimens were trapped at The Raven, Co. Wexford on 30 June 2009 (Tyner, pers. comm.).

8783 [2287]. *Acronicta auricoma* ([Denis and Schiffermüller], 1775)

Clifton (2007) refers to a Cork record of the Scarce Dagger reported in Skinner (2009): Mizen Head (Co. Cork) 30 May 1937.

9368 [2404]. *Heliothis nubigera* (Herrich-Schäffer, 1851)

The Eastern Bordered Straw *Heliothis nubigera* was recorded from Tarmon, Mullet Peninsula, Co. Mayo, by D. Suddaby on 4 June 2006 (Walsh *et al.*, 2009).

9461 [2386c]. *Spodoptera cilium* Guenée, 1852

The Dark Mottled Willow *Spodoptera cilium* was recorded from Brownstown Head, Co. Waterford, on 13 September 2008 (Walsh and Bond, 2009; Clancy, 2011).

9531 [2313]. *Enargia paleacea* (Esper, 1788)

The Angle-striped Sallow, *Enargia paleacea*, was recorded from Legatillida, Co. Fermanagh, by V. McLoughlin on 7 August 2002 (Clancy and Skinner, 2006; Thompson and Nelson, 2006).

9562 [2271]. *Tiliacea citrigo* (Linnaeus, 1758)

The Orange Sallow was recorded from Cronykeery, Ashford, Co. Wicklow, by A. Tyner on 28 September 2002 and 3 October 2004 (Bond and Gittings, 2008). A specimen was found at light-trap at Finaghy, Co. Antrim on 28 September 2009 by C. Mellon <<http://pets.groups.yahoo.com/group/MothsIreland/message/5082>>. The larva was recorded from Donabate, Co. Dublin, on 9 May 2012, and from the Phoenix Park, Co. Dublin on 18 May 2012

(A. Tyner).

9657 [2235]. *Lithophane semibrunnea* (Haworth, 1809)

A single specimen was trapped near Ashford, Co. Wicklow by A. Tyner on 8 April 2004 <<http://www.mothsireland.com/specieslist.htm>>.

9664 [2240]. *Lithophane leautieri* (Boisduval, 1829)

Blair's Shoulder-knot *Lithophane leautieri* was recorded from near Wicklow town, Co. Wicklow, on 5 October 2002 (O'Donnell, 2003). It was also taken at Cronykeery, Co. Wicklow on 4 November 2002. Since then the species has spread considerably and it is now known from many other sites in eastern Ireland. The subspecies is given as *hesperica* Boursin in Clancy and Skinner (2003).

9866 [2371]. *Archanara dissoluta* (Treitschke, 1825)

The Brown-veined Wainscot *Archanara dissoluta* was recorded from Cronykeery, Co. Wicklow in 2003-2005 and 2012 by A. Tyner, and from Portumna Forest Park, Co. Galway, in August 2006 by D. Allen *et al.* (Walsh *et al.*, 2009). It was recorded from Belle Lake, Co. Waterford on 6 August 2007 by P. M. Walsh, and from Kylesnamelly, Lough Derg, Co. Galway on 3 August 2010 (P. Strickland). Recently it has been recorded from Tramore, Co. Waterford, 10 August 2012 (T. Bryant), and from Ballinamorrhagh, Co. Wexford, 19 August 2012 (C. J. Wilson).

9999 [2191]. *Mythimna turca* (Linnaeus, 1761)

The Double Line *Mythimna turca* was recorded from The Raven, Co. Wexford, by Philip Strickland on 25 June 2010 (Tyner, 2011a).

10022 [2202]. *Mythimna l-album* (Linnaeus, 1767)

The L-album Wainscot *Mythimna l-album* was recorded from Cape Clear Island, Co. Cork, by E. O'Donnell on 11 October 2010 (O'Donnell, 2011). A further specimen was recorded, by M. O'Donnell, from Kilpatrick Dunes, Co. Wexford on 1 October 2011.

10376 [2034]. *Lymantria dispar* (Linnaeus, 1758)

The Gypsy Moth was recorded from Rathdrum, Co. Wicklow, by D. Dennison and L. Taylor on 8 August 2004 (Clancy, 2007b).

10499 [2043]. *Eilema sororcula* (Hufnagel, 1766)

The Orange Footman *Eilema sororcula* was recorded from Cronykeery, Co. Wicklow, by A. Tyner on 9 May 2008 (Clancy, 2011; Walsh, 2011).

Notes on some species

162 [57] *Stigmella filipendulae* (Wocke, 1871)

Emmet (1981) recorded *Stigmella ulmariae* (Wocke, 1879) from leaf-mines on *Filipendula ulmaria* at Ballynahinch, while Bond recorded leaf-mines under the same name from Ballynafagh Bog, Co. Kildare, in 1997 (Langmaid and Young, 1999). According to van Nieukerken (unpublished), *S. ulmariae* is a junior synonym of *S. filipendulae* (see *Fauna Europaea*; Sterling and Parsons, 2012).

1236 [327]. *Phyllonorycter cydoniella* (Denis and Schiffermüller, 1775)

Irish records of this species refer to *Ph. hostis* Triberti, 2007 (*q.v.*). The separation of the two species and the corrected synonymy of these and closely related *Phyllonorycter* species are given by Triberti (2007). Irish specimens have been bred from crab apple *Malus sylvestris* by the senior author, and from unspecified *Malus* by Heal (NMINH collection).

1269 [332a]. *Phyllonorycter leucographella* (Zeller, 1850)

The leaf-mines of the Firethorn Leaf Miner *Phyllonorycter leucographella* were recorded in Trinity College Dublin and Terenure, both in Dublin City, in January 2005 (Bond and Ashe, 2005; Langmaid and Young, 2006). Since then, it has been reported from Cos Antrim, Armagh, Cork (East and Mid), Galway (West), Meath and Tipperary (South) (Bond, 2007; Walsh *et al.*, 2011).

1852 [622]. *Elachista adscitella* Stainton, 1851

The distribution map in Bland (1996) shows records of this species from five Irish vice-counties, but the only record found by the senior author is that of larvae found at Glengarriff, Co. Cork (West) in 1994 by Emmet and Langmaid (Agassiz *et al.*, 1996). The Irish distribution shown is identical to that of the following species, *E. bisulcella*, in Bland (1996), suggesting that the wrong distribution data were used.

2498 [516]. *Coleophora trifolii* (Curtis, 1832)

A female of this species was taken at Mercury-vapour light at Little Island, Co. Cork (East) on 17 July 2012. Identification was determined by dissection. Previous Irish records are either based on doubtfully Irish material, or are based on misidentifications, or refer to other species as a result of confusing changes in taxonomy. This should therefore be considered the only fully validated Irish record of the species.

2878 [881]. *Mompha terminella* (Humphreys and Westwood, 1845)

Mompha terminella was recorded from St John's Wood, Co. Roscommon by Emmet and Langmaid (1997). The senior author found leaf-mines of the species at the same site in Co. Roscommon, and also near Killavullen in Cork (East), both in 2011. Leaf-mines were observed by C. and B. Picton at Cultra, Co. Down on 2 October 2012, det. D. Grundy (J. McClean, pers. comm.).

3389 [779]. *Bryotropha affinis* (Haworth, 1828)

As indicated in Bland *et al.* (2002), earlier Irish records of this species were based on misdeterminations. The accompanying distribution map, however, shows records from Dublin and Sligo, these being based on older unconfirmed records or misidentifications. Based on this distribution map, the species was erroneously added to the Irish list in Bond *et al.* (2006). Since then, a number of validated Irish records have been obtained in the field or from museum collections. An authentic specimen was recorded from Tramore, Co. Waterford on 15 July 2005 (Bryant, 2007a; Langmaid and Young, 2007, 2009a). Recently, the species has been recorded from further localities: Traad Point, Co. Derry, 25 May 2010 (K. Leonard) (Langmaid and Young, 2011); Dundalk, Co. Louth, 28 June 2011 (det. confirmed by the senior author). In addition, a specimen from Clare has recently been found in the Bradley collection in BM(NH) labelled “. . . Burren: Ballynalacken area 4-22.vii.1960” (det. K. Sattler, 2011). There is also a specimen, without an abdomen, from the Russ Collection labelled “Sligo” (det. O. Karsholt) in NMINH, but it is not certain that this is of Irish origin.

4479 [1022]. *Cnephasia pasiuana* (Hübner, [1799])

This species is listed as Irish by Beirne (1941) and Bond (1995), but omitted by Bond *et al.*

(2006). It is considered that there is insufficient evidence to include this species as Irish. There is one specimen under this name in the Russ collection, labelled “Sligo”, in NMINH, possibly not of Irish origin, while an earlier record from Co. Dublin cannot be confirmed.

4632 [998]. *Epiphyas postvittana* (Walker, 1863)

The Light Brown Apple Moth *Epiphyas postvittana* was first recorded from Rosslare, Co. Wexford by Bond (1998). The species is now widespread and common in much of the north, east and south of Ireland.

4842 [1155]. *Epinotia brunnichana* (Linnaeus, 1767)

A number of specimens of *Epinotia brunnichana* from a wide range of mainly western locations have been found in several museum collections. All these were placed under *E. solandriana* (Linnaeus), but dissections confirm that they are *E. brunnichana*. *E. brunnichiana* has also been found in a wide range of mainly western Irish localities in recent years. There is, however, one male *E. solandriana* in the NMINH collections, labelled “Sligo E.W. Brown VII.[18]94”. Its identity was confirmed by the senior author by dissection. There are many further undissected Irish specimens under the name “*solandriana*” in various museum collections.

5020 [1180]. *Notocelia tetragonana* (Stephens, 1834)

Sterling and Parsons (2012) indicate records of this species from Co. Dublin and West Mayo, in addition to Clare. The only confirmed Irish record found by the senior author is a male from Ballyeighter Wood, Co. Clare, 20 June 1970 (J. D. Bradley) (specimen and genitalia slide checked in BM(NH)).

5101 [1253]. *Grapholita orobana* (Treitschke, 1830)

Grapholita lunulana (Denis and Schiffermüller) was recorded from Tramore Burrow, Co. Waterford, by T. Bryant on 12 May 2006 and 1 June 2006 (Langmaid and Young, 2009b). The specimens, two males, were later tentatively determined as *G. orobana* (Treitschke), and published as such, and as “new to Ireland” in Langmaid and Young (2011). Subsequent examination has confirmed that the specimens are indeed *G. lunulana*; *G. orobana* should not be placed therefore on the Irish list.

5426 [1507]. *Stenoptilia zophodactylus* (Duponchel, 1840)

Since Bond (2001), *Stenoptilia zophodactylus* has also been recorded from Graig Upper, East Cork, and Killoteran, Co. Waterford. Specimens from the new sites have been dissected.

6967 [...]. *Leptidea reali* Reissinger, 1989

Recent research (Dincă *et al.*, 2011) has shown that Irish specimens of the Cryptic Wood White previously determined as *L. reali* Reissinger are in fact *Leptidea juvernica* Williams, 1946, a taxon recently found to be specifically distinct by study of the molecular genetics.

7505 [1647]. *Watsonalla cultraria* (Fabricius, 1775)

Since its discovery in Co. Down in 1999, the Barred Hook-tip has been found at a number of additional sites in Cos Down, Galway, Clare, Limerick, and on several occasions in Co. Waterford, at Carriganore, Killoteran, west of Waterford city.

[...] 1831. *Eupithecia goossensiata* Mabilie, 1869

Eupithecia goossensiata is now considered to be an ecological form of *E. absinthiata* (Clerck, 1859) (Mironov, 2003).

8660 [1867]. *Hydrelia flammeolaria* (Hufnagel, 1767)

In addition to the original single site in Co. Antrim (Belfast) and two in Co. Down, the Small Yellow Wave has been found at Barnland, Co. Wexford, 11 June 2006 (M. O'Donnell). It also continued to be reported on a number of occasions up to 2011 from Belfast, Co. Antrim, and other sites in North Down, and from Lisburn, Co. Antrim.

7540 [1890]. *Macaria alternata* ([Denis and Schiffermüller], 1775)

In addition to its first Irish location at Ardamine, Co. Wexford, the Sharp-angled Peacock has now been recorded from Kilpatrick and Barnland (M. O'Donnell) and Kilmuckridge (P. Strickland) in the same county; from Cronykeery (A. Tyner) and Avonmore riverside park (D. Dennison and L. Taylor) in Co. Wicklow; and from Tramore, Co. Waterford (T. Bryant). On 13 August 2012 a male was taken at Cloddagh, on Sherkin Island, Co. Cork by G. Hedges (dissected by the senior author).

7693 [1932]. *Agriopis leucophaearia* ([Denis and Schiffermüller], 1775)

The Spring Usher, previously known from only single records from Enniskillen, Co.

Fermanagh and Bray, Co. Wicklow, has been found at a number of widely distributed localities since 2000, mainly in Co. Wicklow (A. Tyner, M. O' Donnell, C. Osthoff, C. Flynn), but also at Cratloe Wood, Co. Clare (K. Hannan); Glendaloughin, Co. Waterford (S. MacAmhalghaidh), and at Belvoir Park, Belfast (Co. Down) (D. Allen).

7796 [1947] *Ectropis bistortata* (Goeze, 1781)

This is now treated as a synonym of *E. crepuscularia* ([Denis and Schiffermüller], 1775) in *Fauna Europaea*.

8137 [1705] *Idaea fuscovenosa* (Goeze, 1781)

This is indicated as an Irish species in Karsholt and Razowski (1996); but the authors have been unable to find a source to justify this.

8736 [2012]. *Leucodonta bicoloria* ([Denis and Schiffermüller], 1775)

The White Prominent, unrecorded from Ireland since 1938, was rediscovered at Lough Carra, Co. Kerry in 2008 (Allen *et al.*, 2008). The species has also been recorded, sometimes in numbers, at or near this locality in the years 2009 to 2012.

9454 [2384]. *Hoplodrina ambigua* ([Denis and Schiffermüller], 1775)

In addition to the two records quoted in Bond *et al.* (2006), Vine's Rustic, has been recorded from Rathlin Island, Co. Antrim, 28 August 2001 (M. Hughes *et al.*, det P. Waring), while a male taken on Cape Clear Island, Co. Cork on 11 October 2010 by E. O'Donnell was dissected by the senior author.

8874 [2452]. *Catocala nupta* (Linnaeus, 1767)

Previously known only from a 1906 record from Co. Cork; the Red Underwing was recorded singly on four occasions in Co. Louth in the period 2006 to 2011 (D. Hodgers, S. McKeever, C. Honan).

9790 [2343a]. *Mesapamea secalella* Remm, 1983

Recent taxonomic studies (Zilli *et al.*, 2005) have shown that the name *didyma* Esper is a junior synonym of *secalis* Linnaeus, 1758. The name used for the Lesser Common Rustic therefore reverts to *Mesapamea secalella* Remm, 1983.

Other species

An Irish distribution is indicated for six species indicated below in Sterling and Parsons (2012); but either the records upon which this is based are erroneous, as indicated in Bond (1995), viz. *Glyphipterix equitella*, *Epinotia demarniana*, *Crambus pratella* and *C. hamella*, or, as in the case of *Eana incanana* and *Merrifieldia baliodactylus*, it cannot be substantiated by the senior author.

Species removed from the Irish Lepidoptera list

142 [71]. *Stigmella zelleriella* (Snellen, 1875)

Further examination of the genitalia slide of the specimen from Bull Island, Co. Dublin and reference to the illustrations in Bengtson (2008), indicate that it is a male *Stigmella salicis* (Stainton, 1854). *S. zelleriella* should therefore be removed from the Irish list.

1322 [356]. *Phyllonorycter tristrigella* (Haworth, 1828)

Bradley's record of *Phyllonorycter tristrigella* from South Kerry is erroneous (Mere *et al.*, 1964). The specimen, which is in the BM(NH) collection, has been re-examined, dissected, and determined as a male *Ph. nicellii* (Stainton) by the senior author.

2716 [562]. *Coleophora asteris* Mühlig, 1864

The record of this species from Co. Meath in Emmet *et al.* (1996), repeated in Bond *et al.* (2006), is erroneous, being based on a misidentification of *Coleophora virgaureae* (see Emmet and Langmaid, 1997: 150).

2721 [566]. *Coleophora sternipennella* (Zetterstedt, 1839)

Bond (2005) and Langmaid and Young (2005) reported *Coleophora sternipennella* from Clare Island, Co. Mayo. This record is erroneous, being based on a misidentification of a female of *C. saxicolella* (Duponchel).

2939 [871] *Oegoconia deauratella* (Herrich-Schäffer, 1854)

The indication of the occurrence of this species in Ireland in Bland (2002) and Bond *et al.* (2006) is incorrect. The records mentioned in Bland (2002) refer to *O. quadripuncta* (Haworth, 1828), and the associated vice-county distribution shown there should be combined with that for